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U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

INSTRUCTIONS

FOR

PREPARING METEOROLOGICAL FORMS.

CLIMATOLOGICAL DIVISION.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1918.

U. S. DEPARTMENT OF AGRICULTURE.

WEATHER BUREAU.

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1. Meteorological Forms, when Mailed.—Forms No. 1001, No. 1015, No. 1017, No. 1028, No. 1068, No. 1072, No. 1073, No. 1074, No. 1075, and No. 1083, not later than the 10th; Form No. 1030, 1st, except when that date falls on Sunday it will be issued on the 2d; Forms No. 1002 and No. 1003, as soon as the correction letter for December Form No. 1001 is received.

2. When any form can not be mailed on the prescribed date, an explanation of the cause of delay will be forwarded to the Central Office on the day that it should have been mailed.

3. The barograph and thermograph traces, and Forms No. 1015, No. 1017, and No. 1028 will include the record for the last day of the month.

4. It is the policy of the Central Office not to surrender custody of any form that can not be duplicated after it has been received. The official in charge is therefore enjoined to see to it that all data required are extracted before such forms are mailed.

5. In forwarding the above-named forms to the Central Office write on the lower left-hand corner of the envelope, "Forms for Climatological Division."

6. In preparing Forms No. 1001, No. 1015, No. 1017, No. 1028, No. 1083, and barograph and thermograph trace sheets for mailing, the sheets will be arranged chronologically and fastened together with a Dennison or similar paper fastener.

7. Errors will be charged as follows: (1) Each original correction made in the examination will be counted as one error, but supplementary errors resulting from the original entry will not be charged. (2) A failure to comply with any instructions will be counted as one error when it has been clearly shown that such instructions have been received at the station. (3) If an observer has been charged with an error for failure to comply with any instructions, and again fails to do so on forms for succeeding months, he will be charged with an error for each erroneous entry in the form caused by his disregard for the instructions in question. (4) Errors of omission will be counted in the same manner as errors of commission.

8. An original error made in taking, reducing, or recording an observation, or in transcribing data from Form No. 1083, will be charged equally between the person taking the observation and the one who checks the data (one-half to each).

9. Forecasters, section directors, and specially designated officials in charge may assign an assistant of ability and trustworthiness to be responsible for the accuracy of Form No. 1001 in so far as relates to all matters of copying, compiling, computing, etc., but in all questions of judgment, where it is necessary to put a construction upon an order, ruling, etc., the matter will be decided by the official in charge.

10. Any assistant may be responsible for pages 4, 5, 6, 7, 11, and 13 of Form No. 1001, and Forms No. 1002 and No. 1003. This will give a careful assistant opportunity to make a record for accuracy, besides relieving the official in charge to some extent. The official in charge of the station, however, must continue to exercise general supervision over the meteorological work of his assistants, examining and checking it as frequently as may be necessary, and will be held jointly responsible with them for the general appearance and accuracy of all forms. He also will be held directly responsible for errors that can be detected by a cursory examination, and if the number of errors made at his station be unduly large, it will be considered evidence that he is not giving proper attention to this duty, and he will be censured conjointly with the assistant or assistants making the errors. Messengers and student assistants will not be held responsible for any meteorological form without special permission.

11. The assistant preparing Form No. 1001 under the provision of paragraph 9 will sign his name in the lower left-hand margin of page 9; those preparing pages 4, 5, 6, 7, 11, or 13 will sign on the lower left-hand margin of said pages.

12. Two persons will not sign as responsible for a page or form, except in case of sickness, absence, or relief from station, and then it will be stated for what portion each one is responsible.

13. An official relieved from charge of station or responsibility for forms will be held accountable for errors up to, but not including, the date of his relief. When so relieved he must plainly indicate on the forms the dates of his accountability.

14. Ditto marks (") will not be used in any form.

15. The station clock will be kept adjusted to the standard of time in local use. The clock will be set forward one hour at the close of the working day on the Saturday before the last Sunday in March of each year, and set back one hour at the close of the working day on the Saturday before the last Sunday in October.

16. All observations, with the exception of the 12 noon local mean time observation, will be taken on 75th meridian time, but the standard of time in local use will also be entered.

While "summer time" is in effect additional observations will be taken and telegraphed daily at 8 a. m. and 8 p. m., Eastern Summer Time. Observations will be taken at 8 a. m. and 8 p. m., 75th meridian astronomical time, to preserve continuity of records, but not telegraphed.

This provision will necessitate the taking during "summer time" of two observations in every instance where observations are telegraphed, but where they are not telegraphed only single observations will be taken, and those at the time hereinbefore indicated.

The first, or additional observation, will be taken at the same time by the clock as before, but which in reality will be one hour earlier by actual time, and will be telegraphed for forecast purposes and publication in maps, bulletins, etc. Record of this extra observation will be retained at stations only on Forms No. 1083—Met'l, for possible future reference.

The second, or regular, observation will be taken at the same actual time as in the past, or one hour later by the clock than before, and will be entered and recorded on Form No. 1001—Met'l and other station forms as the official record.

The observations taken on the advanced time for telegraphing will be referred to hereafter as "telegraphic observations," and those taken one hour later, for purposes of record, as "record observations."

Observers should bear in mind first, that at regular stations, the change to "summer time" is in no manner to affect the permanent records of the Weather Bureau; and second, that the special observations provided for are solely for telegraphic purposes, to be used in preparing maps and forecasts. They are to continue only during the period that "summer time" is in use, are to be entered on Form 1083—Met'l, and be retained at the station.

During the period to be known as "summer time" the telegraphic observations will consist of such data as are required for the usual telegram. No readings of the wet-bulb temperature will be made at these observations, and no computations for obtaining the dew-point, relative humidity, and vapor pressure will be necessary.

The self-registering thermometers will not be set at these observations, although it will be necessary to lower and replace the maximum thermometer to obtain the correct reading of that instrument. This must be done with care to avoid modifying the indications of the instrument.

The amount of water in the rain-gage will be measured, but the gage will be emptied only at "record observations" time. In determining the amount of rainfall for the preceding 24 hours for telegraphic purposes, it will be necessary to include any that may have fallen between the special and regular observations of the preceding period.

17. All instrumental records will be kept on the standard of normal time in local use. During the period "summer time" is in use the time indicated by the instrumental records will be one hour slower than clock time; during the period that "normal time" is in use clock time and instrumental record time will be the same.

18. All data on pages 2 and 3 of Form No. 1001, except days with light and dense fog, and the corresponding data on page 9, and all data on page 10, will be recorded in 75th meridian normal time. All other data, with the exception of the 12 noon local mean time observation, will be recorded in the standard of normal time in local use. Data on Form No. 1014, and the notes on Form No. 1083, unless otherwise noted, will be in the standard of normal time in local use.

FORM No. 4012, Mis.

19. Whenever an employee has reason to think that he has been wrongfully charged with errors, the correction letter will be returned at once, by indorsement, requesting a reexamination, and stating what error or errors should not, in his opinion, be charged, with his reasons therefor. The matter will receive prompt and careful consideration, and should it be found that errors have been improperly charged they will be removed. If the errors charged are accepted, the letter will invariably be signed by the person or persons whose names appear in the body of the letter and promptly returned. In case of absence of the employee who is responsible for the accuracy of the data, it will be signed by the official in charge and forwarded to the one to whom the error or errors have been charged, to be noted by him and returned to the Central Office. Employees are enjoined to see to it that all corrections indicated, and all resulting changes, are made in Forms No. 1001, No. 1002, and No. 1014, and the Climatological Record. The carbon copy of the letter which accompanies it will be filed as a letter received.

FORM No. 1001.

20. This form will be kept clean, and all entries therein made in a neat, legible hand. The leaves should be separated for convenience in entering the data, but margins must not be trimmed.

21. Whenever, from any cause, an observation is not taken the reason therefor will be plainly written on the margin and a full report of the facts at once made to the Chief of the Weather Bureau.

22. If an observation has been taken late, it will be recorded in brackets with the exact time at which it was taken and used in computing all means and averages the same as if taken on schedule time, unless the conditions have changed since the time for the observation, in which case the probable conditions at the proper time of observation will be determined from the recording instruments by interpolation. These interpolated values will be entered in red ink above the late readings and used in all means and deductions.

23. An observer may be occasionally prevented by legitimate causes from taking an observation on time, but in such a case the observation will be taken as soon as possible and recorded as of the time at which it was actually taken and disposed of as provided in paragraph 22, and a full report of the facts at once made to the Chief of the Weather Bureau. This report will always receive proper consideration.

24. An observer guilty of falsifying the record by reporting observations as taken at prescribed hours which were not actually so taken, or in any other manner whatsoever, will be summarily and severely dealt with, regardless of previous record or length of service.

25. All observations entered on Form No. 1083, with the exception of the "summer time" telegraphic observations, will be immediately copied in the proper spaces in Form No. 1001. The retained record will contain pages 2, 3, 8 (except beginnings and endings of precipitation), 9, 10, and 13, and must be kept up to date. All footings on pages 4, 5, 7, and 11 of Form No. 1001 that are required to be entered in Form No. 1002 will be copied in the retained Form No. 1002 before mailing Form No. 1001.

26. The record observation will be begun 20 minutes before 8 o'clock, 75th meridian normal time; the telegraphic observation will be begun 20 minutes before 8 o'clock, 75th meridian "summer time." The cipher report should be filed at the telegraph office at 8 a. m. or p. m., 75th meridian clock time. The 12 noon local mean time observation will be begun exactly at that hour.

27. Instruments will be read and conditions noted in the following order: (1) Clouds, (2) state of weather, (3) maximum and minimum thermometers, (4) dry and wet thermometers (and thermograph noted), (5) anemoscope, (6) rain gage (or snow gage), (7) register to anemometer, (8) attached thermometer to barometer, (9) barometer (and barograph noted).

28. All entries in this form must be made in black record ink except when otherwise directed. Red ink will not be used except in underscoring and when specially directed (see pars. 22, 59, 69, 92, and 221). If an error has been made in an original reading in Forms No. 1001 or No. 1083, an ink line will be drawn through the erroneous entry and the correct one placed immediately above the canceled reading in black ink.

29. Entries of direction of wind and clouds will be printed thus: N., NE., E., etc.

30. When crowded for room, notes will be put upon the margin.

31. Instructions relative to taking special observations are given in the Weather Code.

32. All meteorological observations taken will be checked, so far as possible, the following day by the employee responsible for their accuracy.

33. The day of the week on which the month begins will be entered on the left-hand margin of page 8, opposite the first date.

PRESSURE.

34. Actual Elevation.—The height of the zero points of the barometers of a station above sea level. The elevations of instruments will be entered to whole feet on *all meteorological forms*, except Form No. 1058, when these data are required.

35. Station Elevation.—The elevation above sea level adopted for a station at a basis to which all pressure observations at the station are correlated. The elevation on January 1, 1900, was adopted as the station elevation for each one in operation on that date. For stations opened subsequently, the elevation of the barometer at the time of opening of station will be adopted as the station elevation.

36. Removal Correction.—When an office is moved to new quarters and the elevation of the barometer is thereby changed, a proper correction will be applied to the barometric readings in the new location that will reduce the observed readings to the pressure appropriate to the "station elevation." This removal correction will be included in the sum of corrections, Form No. 1059, furnished by the Instrument Division.

37. Sum of Corrections.—A term embracing all the corrections that are practically constant for a given instrument and in a given location, namely, the correction for scale errors, capillarity, gravity, and the removal correction. This sum is given on Form No. 1059, furnished for each instrument.

38. Total Correction.—The correction for temperature, plus the "sum of corrections" as defined above.

39. Observed Reading.—The direct result of the reading of an instrument, uncorrected for any errors.

40. The barometer should be read and recorded to the nearest thousandth of an inch, and the reading will be immediately entered on Form No. 1083 before the reductions are made.

41. Station Pressure.—Corrections for instrumental error, gravity, temperature, and removal, preceded by the proper algebraic signs, will be applied to the observed barometer readings. The correction for temperature will be obtained from the barometer correction cards, as follows: Find at the top of the card the observed height of the barometer, and in the column headed "Attached thermometer" the reading of the attached thermometer; the number at the intersection of these lines will be the correction to be applied. If the reading of the thermometer be less than 29° above zero, the correction will be added, and if 29° or more it will be subtracted. For barometer or attached thermometer readings not given in the table the temperature correction will be determined by interpolation. The sum of corrections for instrumental error, gravity, and removal will be applied to the correction for temperature before recording the latter. Example: Observed barometer reading, 29.512; attached thermometer, 62.0; sum of corrections, +.008. The temperature correction card gives a correction of −.089, to which add the sum of correction +.008 = −.081 to be used and recorded in column headed "Total correction."

42. If the position of the barometer be changed and the elevation increased, .001 inch will be added to the sum of corrections for each foot of increase; if the elevation be decreased, .001 will be subtracted for each foot of decrease. These corrections will be applied pending the receipt of new correction cards.

43. Reduced Pressure.—The reduced barometer will be taken directly from the special table supplied to each station and will be entered to hundredths only. The temperature argument, at stations making two observations daily, will be the mean of the current temperature and that at the preceding regular observation; at stations making but one observation daily it will be the mean of the maximum and minimum temperatures as read at the time of observation. The pressure argument will be the station pressure to hundredths of an inch only (the third decimal being disposed of according to rule). Enter the table with the arguments as above described and find the point where the argument lines intersect; the value there given will be the reduced pressure. It will be necessary to interpolate for the hundredths when the station pressure falls between the tenths of an inch as given at the top of the table. No interpolation will be required for temperature argument if the table be extended so that for each temperature entered there is a difference of only one hundredth in the table. The temperature argument for a special observation will be the mean of that and the preceding regular observation. In determining the temperature argument for reducing the barometer readings to sea level for the "summer time" telegraphic observations, use the current temperature and that observed 12 hours preceding, where both observations are taken. Where only one telegraphic observation is taken the old rule will be followed.

44. 3,500 and 10,000 foot planes: The temperature and pressure arguments will be the same as for the sea-level pressure, and the pressure for these planes will be obtained from the tables furnished for said elevations in the same manner as the sea-level pressure and the data will be entered to hundredths of an inch only.

TEMPERATURE.

45. All thermometers must be read and the readings recorded to the nearest tenth of a degree, except the attached thermometer, which will be read and recorded to the nearest half degree.

46. The dry-thermometer readings will be reduced to the various planes by applying the corrections in the table furnished for reducing the "monthly temperature" to these planes.

47. Instrumental corrections will not be applied to thermometer readings except when they are ±0.3 or more in the case of mercurial thermometers, and ±0.5 or more in the case of minimum or alcohol thermometers, or at temperatures of 42° or lower; and when the wet thermometer reads higher than the dry, then all corrections will be applied to the readings of the dry and wet bulb thermometers. The corrections furnished are for each 10°, and will be applied algebraically to the scale readings of the thermometers before recording the same. For a scale reading between those for which corrections are given, an interpolated value of the correction will be used. Example: For a reading of 62.0° the correction is −0.5°. The true temperature is, therefore, 62.0° −0.5° = 61.5°. For a reading of −8.0° the correction is −1.2°, the true temperature is −8.0° −1.2° = −9.2°. For a reading of −28.0° the correction is +7.8°, the true temperature is −28.0° +7.8° = −20.2°. The corrections of thermometers are given on the cards only as low as actual comparisons have been made with substandards. If it should happen that a reading of a thermometer is obtained at a point lower than any for which its corrections are given, then the corrections will be determined by continuing the same ratio of increase or decrease as between the last 30° for which the corrections are given. Example: The correction at +2° is −0.6°, and at −28.0° is −2°. The change of correction between +2° and −28° is −1.4°. For 7° it is about −0.3°. For a scale reading of −35.0°, which is 7° below −28.0°, the correction is −2.3°, and the true temperature is −35.0° −2.3° = −37.3°. When the signs of the temperature and the correction are the same, add; when different, subtract.

48. The maximum and minimum thermometers will be set both at the a. m. and p. m. regular record observations. They will not be set when taking special or the "summer time" telegraphic observations.

49. Observers should always note whether there is agreement in the temperature values given by the several thermometers; that is to say, (1) the top of the alcohol column of the minimum should indicate the same or nearly the same temperature as shown by the dry thermometer; (2) the minimum thermometer readings should be as low as, or lower than, the dry thermometer at the current and preceding observations; (3) the maximum thermometer reading should be as high as, or higher than, the dry thermometer at the current and preceding observations. Readings contrary to the above rules, if the instruments are properly set and read, are abnormal, and steps will be taken at once to discover and remove the cause or replace the instrument if defective. Small differences, however, amounting in some cases to nearly or quite a degree, will occasionally be found to occur. On such occasions the exact readings must be recorded, with an explanatory note.

50. The wet thermometer should always be kept in proper condition, the bulb and muslin cover clean and carefully moistened preceding each observation. In damp, foggy weather it may sometimes read higher than the dry thermometer after all instrumental corrections have been applied, in which case enter the corrected reading of the instrument, but inclose it in brackets, and enter the corrected reading of the dry thermometer above it and use the latter in obtaining the footings; record the reading of the dry bulb as the temperature of the dew-point, and the relative humidity as 100 per cent, with an explanatory note on the margin.

51. When the temperature of the air is below that at which mercury freezes, the temperature as indicated at the top of the alcohol column of the minimum thermometer will be entered as the readings of the dry and wet bulb thermometers, and also as that of the dew-point, and the relative humidity will be recorded as 100 per cent.

During the prevalence of low temperature, but above the freezing point of mercury, the wet bulb covering should be saturated a few minutes before beginning the observation; and whenever, after diligent effort, it is found impossible to cause the wet thermometer to read as low as, or lower than, the dry thermometer after applying all corrections—any incidental moisture on the dry bulb being removed—the reading of the wet thermometer will be recorded as corrected and inclosed in brackets, and the reading of the dry thermometer entered above it and used in obtaining sums and means. The dry thermometer reading will be recorded as the temperature of the dew-point, and the relative humidity as 100 per cent. Explanatory notes should indicate when these conditions occur.

52. The dew-point, relative humidity, and vapor pressure will be obtained in accordance with the tables furnished; the dew-point will be entered to the nearest whole degree, the relative humidity to the nearest whole per cent, and the vapor pressure to the nearest thousandth of an inch.

53. All daily temperature values on page 8 will be entered in whole degrees only, the tenths of degrees being disposed of according to rule.

54. At stations having a thermograph the maximum and minimum temperatures on page 8 will be taken from the maximum and minimum thermometer readings on pages 2 and 3 (see paragraphs 55 and 56) except when the true maximum or minimum for the day, midnight to midnight, can not thus be obtained, in which event it will be obtained from the corrected thermograph trace (see paragraph 219). At stations not having a thermograph the maximum and minimum will be obtained in accordance with paragraphs 55 and 56.

55. The maximum temperature for the day will be taken from the p. m. observation, except under the following conditions: (1) The maximum temperature recorded at the a. m. observation of the next day will be used when it is higher than the maximum at the p. m. observation and is believed to have occurred before midnight; (2) the maximum temperature recorded at the preceding a. m. observation will be used when it is believed to have occurred after midnight and is higher than any temperature recorded after the a. m. observation of that day. The maximum of any day must be as high as the minimum of the preceding day.

56. The minimum temperature for the day will be taken from the a. m. observation, except under the following conditions: (1) When a lower minimum is recorded at the p. m. observation, it will be used; (2) when the minimum recorded at the following a. m. observation is lower than that recorded during the preceding day, and is believed to have occurred before midnight, it will be used; (3) when the minimum recorded at the a. m. observation of the current day is believed to have occurred before midnight the minimum temperature for the day will be taken from the p. m. observation, unless example (2) requires it to be taken from the following a. m. observation. The range is the difference between the maximum and minimum.

57. The mean (max. and min.) temperature for the day is the sum of the maximum and minimum (as recorded on page 8) divided by 2, and will be recorded to whole degrees only, the tenths being disposed of according to rule. This mean will be used on all forms and reports as the daily mean temperature.

58. The change of temperature is the difference between the mean temperature of the previous and that of the current day.

59. Hourly Readings.—At stations designated by the Central Office the hourly readings of the thermograph, at the exact hour, after being corrected for instrumental error in accordance with instructions, will be entered

in black ink on page 5 in whole numbers. The readings at 8 a. m. and 8 p. m., 75th meridian time, and at all other hours at which eye readings are made of the dry thermometer, when they correspond to an exact hour, standard of time in local use, will be entered in the proper hours, and in the same hour column will be written, in red ink, with its appropriate sign, the correction for the self-registering instrument (see paragraphs 212 and 217–222). All eye readings at hours other than 8 a. m. and 8 p. m., 75th meridian time, will be underscored in red ink. When the standard of time in local use is not 75th, 90th, 105th, or 120th meridian time the 8 a. m. and 8 p. m. readings, 75th meridian normal time, will not be entered, but the corrections at these hours will be entered at the nearest hour, standard of time in local use, and the correction will be applied as usual.

60. In case the register fails to record for a portion of the day, the missing data should be supplied by interpolation; the data thus obtained will be connected by an asterisk to an explanatory note on the margin of the form.

61. Only data for whole days will be used in obtaining sums and means.

62. Footings.—The sums and means will be determined from the data entered in accordance with the foregoing instructions, the means being recorded to tenths.

63. Average Hourly Readings.—The mean of the column headed "Sum" will be obtained by dividing the total sum by the number of hours in the month.

64. Page 4 will be prepared at all stations where an automatic record of sunshine is made, except at those that have been authorized not to do so. The character of the day and average cloudiness will be entered at all stations.

65. The actual time sunshine as recorded during each hour will be entered to the nearest tenth of an hour in the appropriate columns under heading "Sunshine recorded during hours ending" (4 a. m. to 9 p. m., standard of normal time in local use).

66. The "Character of sunrise and sunset" will be recorded as clear, cloudy, foggy, hazy, or smoky, depending upon whether the sun was visible or obscured at the time of sunrise or sunset. When the character of sunrise or sunset is cloudy, foggy, hazy, or smoky the time these conditions obtained will be deducted from the full possible twilight correction.

67. It is not intended that observers shall go on duty at unreasonably early hours in order that the character of sunrise may be determined, but it is believed that, without much inconvenience, sufficiently accurate data can be obtained by noticing the character of weather immediately upon rising and by inquiry of persons who may have occasion to be up at time of sunrise.

68. The "Twilight correction" will be the difference between the time of sunrise for the latitude of station (as shown by Sunshine Table, Edition 1905) and the time at which the sunshine record began, and the difference between the time the sunshine record ended and the time of sunset (shown by table), provided the sky was clear during both these periods. If there were clouds, fog, etc., on the horizon sufficient to obscure the sun, either morning or evening, the time the sun was obscured should be deducted from the correction, as determined above.

69. The twilight correction will be apportioned among the morning and evening hours during which the sun shone and the register failed to record. The amount which belongs to each hour will be entered in red ink to the left of and above the entry of the amount of recorded sunshine. The twilight correction thus entered will be included in the sums entered at the bottom of the page.

70. Under "Hours of sunshine" the column headed "Total" will be the total recorded, including twilight correction. The "Possible hours of sunshine," recorded in the succeeding column, will be computed from the time of sunrise and sunset, as previously taken from Sunshine Table, Edition 1905.

71. In order that the first and last of the monthly "sums" under "hours ending" shall not be discordant with the "divisors" employed at the end of the month, the first and last fractional proportions of the "twilight correction" will be recorded each day to the nearest hundredth of an hour, provided the sun when at the horizon was not obscured; all other entries will be to the nearest tenth.

72. The "Percentage of possible hours of sunshine" will be obtained by dividing the total for each day (total recorded, plus twilight correction), multiplied by 100, by the "Possible" for the same date.

73. The daily sunshine percentage may at the option of the official in charge, be entered on the right-hand margin of page 8, retained Form 1001.

74. The "Percentage of possible for each hour" will be determined by dividing the "Sum," multiplied by 100, by the number of hours of possible sunshine for the entire month during the hour indicated by the heading of the column. Except for the hours ending shortly after sunrise or sunset the "Hours of possible sunshine" will be the same number as there are days in the month. The divisors to be used for the hours ending shortly after sunrise and sunset are given in Sunshine Table, Edition 1905. The "Percentage of possible" for the month will be determined by dividing the sum of column headed "Total," multiplied by 100, by the "Possible" for the month.

75. All percentages will be recorded to the nearest whole per cent.

76. If at any time the amount of sunshine recorded by the instrument is known to be incorrect, either because the instrument fails to record when the sun is faintly obscured by thin haze, cloud, light fog, or light smoke, or because it continues to record for moderate cloudiness which obscures the disk of the sun, the true amount, as determined by eye observations, will be entered in the proper hour spaces in black ink and an explanatory note made on the margin of the form and on the original record sheets. A slight readjustment of the angle of inclination of the glass tube will eliminate imperfect results of this character with the electrical sunshine recorder.

77. No twilight corrections for the first and last hours will be entered under the conditions given in paragraph 76, but the record for the entire time will be in black ink.

78. When hills, trees, or buildings in easterly and westerly directions cause the actual times of sunrise and sunset to differ from those in the table, the observer will note, about the 15th of each month, or oftener if the horizon is very irregular, the time of actual sunrise and sunset, for the center of the sun's disk, and note those observations on the margin of the page.

WIND.

79. The current velocity, and maximum velocity since last observation, will be obtained in accordance with paragraphs 176–179. When the anemometer cups are not moving at the time of observation the wind will be recorded as calm, whether or not 1 or more than 1 mile has been recorded during the last hour; if the cups are moving, a velocity of 1 mile or more will be recorded. The maximum velocity will be entered on pages 2 and 3 only when it equals or exceeds 25 miles per hour. Where but one observation is taken daily, enter the prescribed velocity for the twelve hours preceding the observation and omit entry for the succeeding twelve hours.

80. The maximum velocity must always be equal to or greater than the current velocity, and will have but one direction recorded therewith.

81. The current velocity will be the reading at the time of taking the observation, i. e., between 7.40 and 8 o'clock, 75th meridian time. The maximum velocity will be the highest velocity for a five-minute period during the twelve hours preceding the regular observation.

82. Whenever there is a break in the record, enter note with the maximum velocity for each twelve hours, and for the day, stating the time for which they are a record.

83. The total movement for the twenty-four hours ending at 12 midnight will be used as the total daily movement.

84. The prevailing direction of the wind for each hour will be entered in the hour spaces, page 6. Only one entry will be made as the prevailing direction for any single hour. If two or more directions are recorded an equal number of times on Form 1017, consider the directions adjacent to the hour in determining the direction to be entered as prevailing. When the wind movement for any hour is entered as "0," the direction for that hour will also be "0."

85. The prevailing direction for the day, and for the hour as recorded at the foot of page 6, is the direction or directions which appear most frequently in the respective line and column.

86. The direction recorded the greatest number of times during the month will be considered and entered as the prevailing direction for that period. If two or more directions occur an equal number of times, consider the adjacent directions in determining the prevailing direction for the month. Only one direction will be entered.

87. Hourly Wind Movement.—The number of miles of wind recorded each hour will be entered for each day on page 7.

88. In counting the number of miles of wind for each hour the closing of the circuit should be counted as the mile and should be given to the hour in which the circuit closed.

89. The record for each day on pages 6 and 7 must be completed on the day following that for which the entries are made, or as soon thereafter as practicable, and the total for each day compared with the total from midnight to midnight, for the same period of time, entered on the face of the wind sheet.

90. At specially designated stations the number of miles and the length of time from each wind direction will be compiled from the data entered on pages 6 and 7, Form 1001. The number of miles for each particular hour will be credited to the prevailing wind direction for that hour.

Example.

On the 1st: Prevailing wind direction for each hour to 12 noon, W.
Total wind movement to 12 noon, 196.
Prevailing wind direction for each hour, 12 noon to mid., NW.
Total wind movement, 12 noon to midnight, 248.
The record for the 1st: W., 196 miles in 12 hours.
NW., 248 miles in 12 hours.

91. The average hourly velocity will be obtained by dividing the total movement by the number of hours in the month.

92. The maximum velocity during the hour will be entered in red ink in the upper left-hand corner of the hour space each hour that the maximum velocity exceeds the limit fixed by the official in charge, for entry in Form No. 1014 (see par. 165). This velocity will be entered in the space provided at the top of the page.

CLOUDS.

93. Entries of clouds will be printed thus: Ci., Ci.St., Ci.Cu., A.Cu., A.St., St.Cu., Nb., Cu., Cu.Nb., St.

94. The amount of clouds will be recorded on a scale of zero (0) to ten (10). If no clouds are visible, record zero (0); less than one-tenth, record "Few"; less than two-tenths and not less than one-tenth, record 1, etc. Absence of movement will be indicated by the figure zero (0) in the space for direction; and at night, when there is doubt as to kind and direction, a query mark (?) will be placed after the questionable record. The directions from which the clouds are moving will be recorded to eight points of the compass, as N., NE., E., etc.

95. Haze, smoke, and fog will not be recorded in tenths, but must be designated as dense or light, except when smoke or fog occurs in only a portion of the sky, then as follows: $\frac{1}{10}$ light fog in NE., W.; $\frac{2}{10}$ light smoke in W., N., etc. These fractional amounts will not be considered in footing up the columns.

96. No clouds will be recorded with dense haze. If clouds are observed, the haze will be entered as light. Haze will not be given a direction. When dense haze is observed the state of weather will be recorded as "Hazy," and when light haze is observed the state of weather will be determined from the amount of clouds.

97. Dense smoke and dense fog (unless they prevail with nimbus clouds) will not be recorded when clouds are observed, except when from the roof of a building the sky can be seen, in which case a note will be entered stating the fact, and the state of weather will be determined from the amount of clouds; otherwise, when dense smoke or dense fog is observed the weather will be recorded as "Smoky" or "Foggy," as the case may be. When light smoke or light fog is observed the state of weather will be determined from the amount of clouds.

98. Fog and smoke can have a direction; when no movement is perceptible, record zero (0) in space for direction.

99. If there be two or more kinds of clouds observed, invariably record the upper first and the lower immediately underneath in the space for clouds.

100. Clouds will be recorded according to their form without reference to the occurrence of precipitation. That is, if rain is falling from strato-cumulus clouds, record the clouds "St.Cu." and the state of weather "Light rain," etc. When precipitation is occurring with dense fog, record the clouds "10 Nb." and the direction the same as the wind. When precipitation is occurring in the distance, but not actually at the place of observation, an explanatory note will be entered and the state of the weather recorded in accordance with the conditions at the place of observation.

101. Observers should be careful not to record cumulus or strato-cumulus as cumulo-nimbus. It is seldom that more than a few tenths of cumulo-nimbus clouds are visible.

102. In the column "Average cloudiness," page 4, observers will record in whole numbers the average amount of clouds during the day (sunrise to sunset) on a scale of zero (0) to ten (10), as determined from frequent personal observations.

103. The "Character of day" will be determined from data in column headed "Average cloudiness"; zero to three, inclusive, record "Clear"; four to seven, "Partly cloudy"; eight to ten, "Cloudy."

PRECIPITATION.

104. The time of each beginning and ending of precipitation will be recorded; intervals of fifteen minutes or less between the time of ending and recommencement not being considered except near the time of an observation, when all beginnings and endings must be recorded.

105. When a thunderstorm occurs the international symbol for thunderstorm ([illegible]) will be entered on the right-hand margin of page 8 on each day, midnight to midnight, standard of time in local use, on which thunder was heard.

106. The amount of rainfall will be determined by measuring with the "measuring stick" the amount in the receiver of the rain gage; record as the amount one-tenth of the actual depth measured. After the receiver has been emptied the water in the overflow, if any, will be poured into the receiver, measured, and added to that found in the receiver. Precipitation of less than 0.005 of an inch will be recorded "T." When the p. m. observation is not taken, the amount of precipitation for that observation will be measured the same as if both observations were taken.

107. When there is danger of evaporation, the rainfall will be measured as soon as the rain ceases, and the water, if drawn off, will be returned to the gage. If the measurement at the next regular observation exceeds this one, it will be substituted therefor.

108. All precipitation entirely or partially in the form of sleet, snow, or hail will be melted, poured into the rain gage receiver, measured, and recorded in the same manner as rainfall. The measurement of precipitation in the form of snow is attended with much uncertainty, due to the action of the wind in drifting the snow and preventing it from entering the gage or blowing out a portion of the snow that has entered. If the observer has reason to believe that the amount collected in the snow gage is not the total snowfall since last observation, three measurements of the depth of snow will be made at different places and the mean of these measurements recorded as the actual depth of the snow. If it is impracticable to melt the snow, or the amount collected in the snow gage is not considered correct, one-tenth of the amount of snow in the gage or from measurements elsewhere, as the case may be, will be recorded as the amount of precipitation for that observation, with an explanatory note.

109. The following suggestions are given for the guidance of observers in the measurement of snowfall:

While one-tenth the depth is arbitrarily adopted as the water equivalent of snow, yet this is only coarsely approximate, and observers should always endeavor to determine the actual equivalent by one of the following methods:

First method.—Select a place where the snowfall is as little disturbed as possible and cut out a section with the snow gage, or 8-inch overflow of the rain gage, by sinking the gage inverted through the snow and covering the mouth with a sheet of tin or thin board. The 8-inch cylindrical section of snow thus secured is then most conveniently measured by weighing, either in the gage itself, the weight of which is afterwards deducted, or after first emptying the snow into some smaller or lighter vessel. If this weight can be ascertained with an accuracy of within one-fourth of an ounce, the water equivalent will be given to the nearest hundredth of an inch by use of Table II—Paragraph 77, Circular A, 1903.

Second method.—If the snow is melted and measured in the measuring tube of the rain gage, care must be taken that loss does not occur by evaporation. Rapid melting must be avoided. The best results are obtained, not by melting directly, but by mixing a measured quantity of warm water with the snow and then measuring the slushy mixture, just as if the snow were all melted, deducting, of course, the amount of warm water added. Ten, or even five inches of warm water in the measuring tube are sufficient for effecting the measurement of a very considerable snowfall. Care must be taken in changing the snow or water from one vessel to another that portions of the precipitation are not lost.

110. When precipitation is occurring at the time of observation, or occurs between the taking of the observation and 8 o'clock, 75th meridian normal time, a check mark will be made on Form No. 1017 or No. 1028 to show the exact time of observation. The record for that hour as entered on the face of the above forms will include the amount between the check and the end of the hour, but under head of precipitation at time of the a. m. and p. m. observation on the above forms, as also similar headings on Forms No. 1001, No. 1014, and No. 1083, the entries will show the amounts recorded at the time the measurements were made.

111. Precipitation from fog, dew, or frost will not be recorded in this form. Absence of precipitation will be indicated by the figure zero (0).

112. All beginnings and endings of precipitation will be entered in chronological order on the dates on which they occur, beginning at the left-hand column. Only one entry will be made in each column when there are not more than four showers. A. m. and p. m. will be entered as "a" and "p," respectively. When time of beginning and ending is unknown it will be recorded as D. N. a. or D. N. p. (during night).

113. The depth of snowfall (maximum depth, less amount, if any, on ground before the period) during the preceding twenty-four hours will be entered each day in the column headed "Unmelted ..... p. m. to ..... p. m.," on page 8. If there are several separate snowfalls within the 24-hour period, each one of which melts before the following one occurs, the total fall for the 24-hour period will be the sum of the maximum depths for each fall.

114. Less than 0.05 inch of unmelted snow, and all snow which melts as it falls, will be recorded as "T," and in the case of the latter a marginal note "Melted as it fell" will be entered.

115. The total depth of unmelted snow on the ground each day at 8 p.m., 75th meridian normal time, by actual measurement (the mean of three measurements when the snow is drifted), will be entered in the column headed "On ground at ..... p. m.," page 8.

116. All unmelted snowfall will be recorded to inches and tenths, except as indicated in paragraph 114.

117. Enter under "Amount of precipitation from melted snow (midnight to midnight)" on page 8 the amount of precipitation from melted snow (estimated if unknown). When it is estimated, a marginal note should be entered stating the fact.

118. Care should be taken in determining the character of precipitation when in the form of sleet or hail. Only the precipitation that occurs in the form of frozen or partly frozen rain should be called sleet. Hail is formed by accretions consisting of concentric layers of ice, or of alternate layers of ice and snow. It frequently happens that snow falls in the form of small round pellets, which are opaque, having the same appearance as snow when packed. This should never be recorded as sleet.

Hail and sleet will not be entered in the columns for unmelted snow.

WEATHER.

119. The state of the weather will be determined and recorded with reference to the degree of cloudiness, and whether or not precipitation is falling or likely to fall soon; thus when the sky is three-tenths or less covered with clouds, record "Clear"; four to seven tenths, inclusive, "Partly cloudy"; eight to ten tenths, "Cloudy"; and "Misting," "Sprinkling," "Light rain," "Heavy rain," "Light snow," "Heavy snow," "Sleeting," "Hailing,"

"Threatening," and "Clearing" when these conditions exist (see paragraphs 96, 97, and 104). When two or more kinds of precipitation are occurring at the time of observation all will be entered under the "State of weather." When light fog, light haze, or light smoke is observed with no clouds, the state of weather will be recorded as "Clear."

120. When a thunderstorm is prevailing at the moment of observation, or the rain is still falling, although neither thunder has been heard nor lightning seen for one hour previous to the observation, the international symbol for thunderstorm will be entered after "State of weather."

FOOTINGS AND SUMMARY.

121. *a.* No data required.

b. Underscore in red ink maximum and minimum of the column.

c. Enter most frequent kind or direction, and when two or more directions or kinds are observed an equal number of times, all will be entered. Calm will not be considered in determining the most frequent direction.

Haze, fog, and smoke will always be considered in determining the most frequent kind of clouds; and the direction of fog and smoke will be considered in determining the prevailing direction of clouds, but the amount of fog or smoke will not be considered in the sums or averages.

f. On page 3, under "Fog," "Light," or "Dense," enter the time of beginning and ending on days when these conditions are observed at station, midnight to midnight, standard of normal time in local use. Enter on page 9 the dates of all days on which fog is observed. A dense fog is one that is dense enough to obscure objects at a distance of *one thousand feet.*

g. The monthly means of "Station pressure," "Reduced pressure," "Dew-point," "Humidity," "Vapor pressure," and "Temperature" (a. m. +p. m.÷2) will be obtained by adding the monthly means of the a. m. and p. m. observations and dividing the sums by 2. The "Monthly mean temperature" will be obtained by dividing the sum of the mean maximum and minimum temperatures by 2. The sea-level, 3,500-foot, and 10,000-foot temperatures will be obtained by applying the corrections in the table to the monthly temperature. The 3,500-foot and 10,000-foot pressures will be obtained by using the monthly temperature as the temperature argument and the corrected monthly station pressure as the pressure argument.

h. In determining the highest and lowest pressure for the month the barograph trace will be considered, and if any corrected barograph reading is lower or higher than the recorded station pressure for any regular or special observation, this reading will be entered under the heading "Station" on page 10, to three decimal places, the last decimal being zero. The corrected thermograph reading at the time of this barograph reading will be entered to whole numbers as the "Dry," and the reduced pressure determined according to the rule for special observations. The other entries should indicate the date and time of occurrence. The pressure values thus derived will be used in determining the highest and lowest for the month for entry on page 9. When the highest or lowest reduced pressure occurs on more than one date, carry the reduction to thousandths to determine the actual date.

i. The highest and lowest temperatures and the greatest and least daily ranges will be taken from page 8, but the dates on which they actually occurred (tenths considered) will be determined from pages 2 and 3. At stations supplied with thermographs, when the monthly maximum or minimum temperature is recorded the same on two or more dates on pages 2 and 3, the date of the highest or lowest temperature for the month will be determined by the thermograph trace, using the date on which the highest or lowest point is reached by the thermograph pen. When the greatest or least daily range of temperature occurs on two or more dates, as shown on pages 2 and 3, the date will be determined by referring to the thermograph trace.

j. The number of days with the maximum temperature 90° or above, 32° or below, and minimum temperature 32° or below, and zero or below, will be determined from the maximum and minimum thermometer readings as recorded to tenths. When the maximum or minimum temperature is taken from the thermograph it will be considered as whole degrees.

k. When on more than one date, both dates will be given.

l. (1) Precipitation will be considered excessive when it equals or exceeds 2.50 inches in twenty-four consecutive hours, or 1 inch in one hour. See also paragraph 200.

(2) In determining the duration of excessive precipitation of 2.50 inches in twenty-four hours at stations equipped with recording rain gages, the period of duration will begin with the first closing of the circuit and end with the last closing for each shower. All intervals between showers will be excluded. At stations not equipped with recording gages the period of duration will be the time precipitation actually occurred. The period may be extended beyond twenty-four hours as long as the rate of 2.50 inches in twenty-four hours continues.

(3) When the above data are compiled for publication the following footnote will be made: "The duration is the time precipitation was actually recorded."

(4) Excessive precipitation at the rate of 1 inch an hour will not be entered on Form No. 1001.—Met'l., unless 1 inch falls within one hour. If 1 inch is recorded in less than one hour that amount only will be taken, unless the rate of fall continues excessive (at the rate of 1 inch an hour or eight and one-third hundredths inch in five minutes), in which event the entire amount of precipitation at the excessive rate and the entire time at which the rate was excessive will be entered.

(5) After 1 inch has been recorded within one hour, if the rate ceases to be excessive for a short time and again becomes excessive, whether or not it extends beyond one hour, both amounts will be included, provided the amount for the last excessive period is sufficient to make it and the non-excessive interval, taken together, excessive.

(6) At the beginning or ending of excessive precipitation of 1 inch an hour no amount at less than that rate will be included unless required to make a total of 1 inch in an hour.

m. In computing the maximum precipitation in twenty-four hours and excessive precipitation data, the division of the months will be disregarded. The same data will not be included in the compilations for two months. When the record for the 1st of a month has been included in that for the preceding month, a note to that effect will be entered on page 9.

n. A day with snow is one on which a trace or more of melted snow fell, midnight to midnight. A day with hail is one on which a trace or more of hail fell.

o. To be taken from the sum of columns headed "Snowfall, unmelted, ------ p. m. to ------ p. m.," page 8.

p. To be determined from page 6 at stations that prepare said page and from the "Number of times observed from," as recorded in the summary.

at stations that do not prepare said page. If two or more directions are recorded an equal number of times, consider the adjacent directions in determining the prevailing direction for the month. Only one direction will be entered. When calm exceeds the prevailing direction, it will be entered immediately above the latter.

r. Enter but one maximum wind velocity, direction, and date.

t. The "Monthly mean cloudiness" will be the mean of the column "Average daily cloudiness," on page 4.

u. To include only days on which 0.01 inch or more of rain, melted snow, sleet, or hail fell.

v. A day with thunderstorm is one on which thunder is distinctly heard at the station, whether or not lightning is seen or rain falls at the station. (See par. 105.)

w. Stations having a recording rain gage will enter the maximum fall in five and ten minutes, etc., for the month, together with the date of occurrence.

RULE FOR DISPOSING OF DECIMALS.

122. In dropping decimals, if the figure to be dropped is greater than 5 (or 5 with a remainder) the preceding figure will be increased by 1. If the decimal figure to be dropped is 5 exactly, the preceding figure when odd will be increased by 1, and when even it will remain unchanged. If the figure to be dropped is less than 5, retain the preceding figure unchanged.

123. In computing the monthly means of barometer and vapor pressure the division will be carried to four decimal places, and the fourth decimal dropped in accordance with the preceding rule. In computing all means (except for barometer and vapor pressure) carry the division to two decimal places only, and dispose of the last decimal figure according to the preceding rule.

FROSTS.

124. The date of occurrence of each frost will be recorded throughout the year in California and Florida and along the immediate coast of the Gulf of Mexico.

125. In the spring the date of occurrence of each frost will be recorded within and to the southward of the different zones on and after the dates set opposite the several lines upon the chart at the end of this circular.

126. All frosts occurring at any station between May 1 and August 31 will be recorded.

127. During the autumn and winter frosts will not be recorded subsequent to the date on which the first killing frost occurs, except as specified in paragraph 124.

128. Frosts will be designated as "light," "heavy," or "killing." The term "light" signifies no destructive effect except to tender plants and vines; "heavy," a copious deposit of frost, but which does not kill the staple products of the locality, and "killing," frost that is destructive to vegetation and staple products.

129. The character of frost, whether light, heavy, or killing, must sometimes be determined by the phenomenon itself, rather than by its effect on vegetation and the staple crops, since the latter may have passed the stage where injury was possible.

MONTHLY METEOROLOGICAL NOTES.

130. Page 12 will contain an account of important atmospheric phenomena, not easily susceptible of tabulation, occurring at or in the vicinity of the station. Events will be described after the manner of a narrative, covering the entire period of occurrence, whether consisting of a fraction of a day or of a number of days.

131. An annual index will be prepared on the printed form provided for that purpose and will be submitted with the December Form No. 1001. Subjects will be indexed by month and date.

132. The meteorological notes will be written with a typewriter and the writing should be single spaced. If necessary, an additional sheet will be inserted. A press copy will not be made.

133. In the reporting of meteorological phenomena too much care can not be exercised to make the account explicit and to state accurately the time of occurrence. Very often the omission of a single detail detracts materially from the value of the report.

134. In describing weather conditions and phenomena midnight will be understood to refer to the end of the day and will receive the date thereof. Twelve o'clock midnight and twelve o'clock noon will be written thus, respectively: 12 midnight; 12 noon. Night will be referred to thus: "Night of the 3d–4th," and will cover the time from dark to daylight.

135. At stations on the lakes and navigable rivers the opening and closing of navigation, together with the name of the first vessel to arrive and the last to depart, should be recorded.

136. Whenever a killing frost occurs the "Met'l. Notes" will contain a statement of the kinds of vegetation killed, the degree of maturity at the time of the frost, the estimated percentage of loss, and any other facts that favored the formation of frost, or that tended to increase the injury.

137. Especial care should be taken to note the *dates* of the occurrence of the first and last frost of each character in *the annual index of the Monthly Meteorological Notes.* If the dates of the first and last killing frost can not be determined the first day with the minimum temperature of 32°, or lower, in the autumn, and the last day with 32°, or lower, in the spring, *when precipitation did not occur* while the temperature of 32°, or lower, obtained, will be recorded, with an explanatory note as to the probable cause of the absence of frost on those dates.

138. *a.* A tornado is a violent local storm, in connection with which is usually noted a well-defined, pendant, funnel-shaped cloud, with attendant rotary winds, often of sufficient violence to prostrate buildings and uproot trees and leaving unmistakable evidence of rotary winds.

b. Whenever a tornado occurs within a radius of 25 miles from the station the official in charge will make diligent effort to obtain an accurate description of all meteorological elements accompanying the tornado. In gathering and preparing the data relative to a tornado, information on the following points is desirable:

c. The path of the tornado, with the location of buildings destroyed and the distribution of the débris on either side of the storm track. This should be shown by a map.

d. The name of the place and the date and hour of occurrence. If the tornado passed near a town the distance, and direction from, should be noted.

e. The appearance of the cloud; glow and funnel-shape; the color of cloud; the meeting of clouds; lightning, and whether seen to issue from the funnel cloud.

f. Character and amount of precipitation, including hail; size of hail.

g. Nature of attendant noises.

h. Direction of motion of storm.

i. Presence of a whirl, either as seen in a cloud or as evidenced by the distribution of the débris.

j. General direction in which trees or débris lay in the center line of greatest destruction, and on either side of this line.

k. Length of path and width at point of greatest destruction.

l. Number and names of persons killed.

139. Whenever damaging hail falls at, or within 25 miles of the station, a report will be made in the "Met'l. Notes," stating the size of the stones, and the nature of the damage.

140. Various optical phenomena are constantly occurring in the atmosphere, and while they have no very important bearing upon the weather it is desirable to note their occurrence. Among these phenomena may be mentioned auroras; halos, solar and lunar; rainbows; coronas; parhelia; paraselenæ, and mirages.

141. Auroral displays should be described, giving in all cases where practicable the time of beginning and ending and the altitude and azimuth of each extremity and of the crown of any arch of light that may be formed. Azimuths should be recorded as in astronomy, from the south point to the westward, passing successively through west, north, and east points of the compass until the starting point is reached.

142. In counting the number of auroral displays, those occurring on parts of two successive days will be counted as single displays, but in counting the dates of auroras, when they extend past 12 midnight, both dates will be counted.

143. Whenever a meteor is seen the "illumination" left by it should be carefully noted, both as to its appearance and the direction in which it apparently floats.

FORM No. 1002.

144. This form will be made out in duplicate at the end of the year on the current edition.

145. If the elevation of the anemometer, thermometer, or rain gage has been changed, that on December 31 must be given. The dates of changes and old elevations must be carefully recorded on the margin.

146. The sum of corrections and all changes in the same must be carefully noted under "Sum of barometer corrections," page 1, and the date and observation upon which it was first used.

147. When one or more observations have been missed, connect all data for less than a full month with a footnote, stating the length of time of the record.

148. The monthly mean pressure, dew-point, relative humidity, absolute range of pressure, and all other data, except as hereinafter provided for, will be taken from the summary of Form No. 1001 or the Climatological Record. The decimal in the case of the dew-point and relative humidity will be disposed of according to rule.

149. In the space for date of highest and lowest pressure and temperature for the year enter the month and day thereof, as "July 6." The mean daily range and mean daily change of temperature will be taken from the columns similarly headed on page 8, Form No. 1001.

150. The data to be entered in the columns headed "Total" and "Possible" will be taken from the sum of the columns similarly headed on page 4, Form No. 1001. The "Percentage" will be taken from the monthly percentage of "Total." Stations not supplied with a sunshine recorder will leave these columns blank.

151. The prevailing wind direction for the year (at foot of column headed "Prevailing direction") will be determined from the sums of "Number of times observed blowing from the N., NE.," etc.

152. The mean hourly temperature and wind velocity will be taken from the mean values at the foot of pages 5 and 7, respectively, and the data for entry in columns headed "For the month" from the average hourly temperature and wind velocity, respectively. Data for less than one-half of a month will not be recorded, and in case the data for one or more months are missing the sums and means for the year will be omitted. All means will be obtained by dividing the sums of the respective columns by 12, and each mean will be recorded to the same number of decimal places as the data from which it is obtained are recorded.

153. Page 7, "Wind—number of miles and length of time from each direction," will be prepared at stations that tabulate these data.

FORM No. 1003.

154. The data to be entered on Form No. 1003 will be an exact copy of those in columns similarly headed on Form No. 1002. One copy will be forwarded to the Central Office with Form No. 1002. A retained copy need not be kept.

FORM No. 1014—DAILY LOCAL RECORD.

155. Time.—All entries will be on the standard of normal time in local use; this will be local mean time at the few places where such is in current use.

156. Enter against the heading "Temperature at the end of hour" the corrected thermograph readings, except whenever eye readings of the dry thermometer at exact hours are available they will be entered. The maximum and the minimum thermometer readings and the mean daily and normal temperatures will be entered on the right-hand side of the sheet, and these entries will correspond to those entered on page 8, Form No. 1001.

157. Under "State of weather" enter the nature of the precipitation, whether rain, hail, sleet, or snow, with the time of beginnings and endings. The character of precipitation may be indicated by a single letter; thus, for rain beginning at 9.15 a. m. the entry would be "R. B. 9.15" in the column headed 9–10. The ending should be indicated in a similar manner in the proper hour column.

158. On the right-hand margin of the form, opposite the heading "Nature of precipitation," etc., the total depth of snowfall for the twenty-four hours ending at 8 p. m., 75th meridian normal time, will be entered.

159. At the option of the official in charge, additional data in regard to hailfall and sleetfall; and ground covering of hail, sleet, and ice, may be entered.

160. The blank space on the form for the time will be filled up by entering the standard normal time in local use corresponding to 8 p. m., 75th meridian normal time. In the same manner the amount of snow on the ground at 8 p. m., 75th meridian normal time, will be entered.

161. In the spaces against the heading "Amount of precipitation" will be given the hourly amounts, when obtainable by self-register. Stations not supplied with self-registers will leave the spaces blank. On the right-hand

margin space is provided for the entry of the total precipitation as measured at the 8 a. m. and 8 p. m. observations, 75th meridian normal time, except that the time will be given in the local standard normal in use at the station instead of 75th meridian.

162. The total precipitation, midnight to midnight, will also be entered in the space provided for it. At stations not provided with self-registers the amount will be estimated and a note to that effect will be made.

163. In the spaces headed "Cloudiness and other conditions" the state of the weather will be indicated by the words "Clear," "Partly cloudy," "Cloudy," "Fog," etc., and the time that these conditions prevailed will be indicated by means of arrows and lines drawn through the hour spaces on both sides of the word and ending at the time when the conditions began and terminated. Moonlight should be observed and a symbol entered to indicate the phase of the moon on the date for the maximum of each phase. If the moon is obscured at intervals, either totally or partially, these facts should be noted. The "Character of the day" will be entered in the space provided for it.

164. The space headed "Sunshine" is intended to replace the entries which were formerly made on Form No. 1070, and the instructions which apply to page 4, Form No. 1001, will be followed in entering the data on this form.

165. In like manner the spaces for "Wind direction" and "Wind movement" will be prepared precisely as the similar columns on pages 6 and 7, Form No. 1001. The third space under wind, "Maximum velocities exceeding ..... miles," will contain a statement of the maximum hourly velocity and direction, together with the time the maximum occurred, as taken from Form No. 1017, or No. 1015, whenever the wind exceeds a certain limit. This limit will be fixed by officials in charge of stations. In general, maximum velocities below 25 miles will not be entered unless there is a demand for them at the station. Officials in charge will aim to enter only those maximum velocities which may be of importance to the public interests at the station.

166. Space has been provided for use in entering excessive precipitation data. Against the right-hand margin of this space relative humidity, reduced barometer, and river readings should be entered.

167. Copies of the barograph and thermograph trace will be made on the diagrams at the foot of the page.

168. The space provided for notes will be used whenever the instrumental readings do not clearly express the weather conditions of the day. Under this head a description should be given of all severe storms, cold waves, frosts, or any abnormal condition that may prevail, together with the time of receipt and the time of hoisting and lowering of warnings of all kinds. The Daily Local Record should contain a complete history of the weather of the day and be carefully verified. It will be retained at the station, and a copy will not be furnished to the Central Office. It should be made in record ink.

169. All special features will be indexed.

FORMS No. 1015, No. 1017, and No. 1028.

170. Enter in the lower right-hand corner of each sheet the meridian of time on which the record is made, as 75th meridian normal time, 90th meridian normal time.

171. Incomplete Records.—Observers will examine the registers each morning immediately upon arriving at the office to see whether or not they are working properly. If the anemometer is out of order a dial reading will be made at once and entered on the sheet, together with the time at which it was made.

172. Dial readings will also be made at each regular observation and at each noon during the incomplete record and when the record is started and entered on Form No. 1015 or No. 1017. The data will be interpolated when the loss of record is less than twenty-four hours. Short breaks in the record when the self-register fails to work may be estimated when the observer believes he can approximate what the record would have been. In all such cases an explanatory note will be entered on all forms where the data are used.

173. In case of loss of record for a period of twenty-four hours or more, blank sheets for the period containing the name of the station, dates, and such data as can be obtained will be prepared and forwarded with the regular monthly package.

174. Whenever the instrument has not been running on correct time a note should be made to indicate the true time of the record.

175. The total movement of the wind for each six hours and for the day will be entered on the left-hand margin in the proper spaces.

176. Current Velocity, How Obtained from Register.—To obtain the current velocity from the anemometer record, take the number of spaces and parts of spaces between the mile marks recorded in the five minutes preceding the moment considered and multiply the result by 12, except when the wind has blown at the rate of less than 12 miles an hour, when the velocity will be determined as shown by the second example below.

First example: Suppose the number of spaces indicating mile marks between 7.40 p. m. and 7.45 p. m., 75th meridian time, was $1\frac{1}{4}$, then the velocity of the wind to be recorded at the p. m. observation is $1\frac{1}{4} \times 12 = 15$ miles per hour.

Second example: If the interval between the last two mile marks is seven minutes, then the current hourly velocity will be obtained by dividing 60 by $7 = 8\frac{4}{7}$ miles, recorded as 9 miles.

177. Maximum Velocity, How Obtained from Register.—The maximum velocity of wind will be obtained by considering the number of spaces and fractions thereof between the mile marks in the five minutes where the velocity is the greatest and multiplying the result by 12; the product will be the maximum velocity.

If the shortest space between two mile marks in the period covers more than five minutes of time, then the elapsed time for said space will be the basis of the calculation. Example: If the shortest space between two mile marks is thirteen minutes, then the maximum velocity is $60 \div 13 = 4.6$ miles per hour, which will be recorded on Form No. 1001 as 5 miles.

178. The extreme velocity each day (from midnight to midnight) will be ascertained with reference to the mile of wind recorded in the shortest time, thus: Find the two marks nearest each other on the anemometer sheet, calculate accurately the amount of time between these two marks (from beginning to beginning or from ending to ending), divide 60 by this amount, and the quotient will be the extreme velocity. Example: The space of time between two marks nearest each other is two minutes; $60 \div 2 = 30$, therefore 30 miles is the extreme velocity for the day.

When the maximum velocity is 12 miles per hour, or less, the extreme daily velocity for the same period of time should be the same; if more than 12 miles, the extreme velocity can be greater.

179. For convenience and accuracy in determining the velocity of the wind a scale has been prepared and furnished to each station with which the velocities may be read direct from Form No. 1017—Met'l without computation. This scale consists of a series of subdivisions equal in length to the intervals between the mile marks on the record sheet for all velocities from 5 to 39, and for every even mile from 40 to 78 miles per hour. To determine the velocity find the portion of the scale where the subdivisions correspond to the mile marks on the sheet. If the mile marks correspond with the smallest subdivisions, the velocity is shown by the first row of figures on the scale. If the mile marks correspond to 2, 4, or 8 of the subdivisions, the velocity is shown by the second, third, or fourth row of figures. When measuring maximum or current velocities for which a whole number of miles is not recorded in five minutes, it will be necessary to estimate the proportional part of a mile required to complete the five-minute period.

180. Maximum Velocities Entered on Wind Sheets.—The maximum wind velocity (for any five minutes) for the day, midnight to midnight, standard of time in local use, and the maximum velocity, when entered on pages 2 and 3, Form No. 1001—Met'l, will be entered in ink on Forms No. 1015 and No. 1017—Met'l immediately above the record as shown by the self-register. Care will be taken not to obliterate any record, and the word maximum will be abbreviated thus: Max. 25.

181. Current Wind Velocity, How Obtained from Dial.—Make two readings of the outer dial with an interval of five minutes between them. The difference between these readings will be the distance, in miles and tenths, traveled by the wind in that interval. This, multiplied by 12, will give the indicated velocity in miles per hour. Example: Suppose the index of the anemometer to be at 3.4 on the outer dial when the first reading is taken and at 4.1 five minutes after, the difference, 0.7 mile, is the distance traveled in that time; and this, multiplied by 12, gives a velocity of 8.4 miles per hour.

182. The total movement by register for any period will be obtained by counting the number of marks in the period.

183. Wind Movement from 12 Noon to 12 Noon by Dial, How to Obtain.—Subtract the reading of the anemometer dial at 12 noon of the preceding day from the reading taken at 12 noon of the current day; the difference will be the total movement. When the reading of the anemometer is less than the reading of the preceding day, 990 miles will be added to it, and the remainder, after subtracting the reading of the preceding day, will be the total movement. Example: The dial reading of to-day is 91, and that of yesterday was 950, hence we have $91+990=1{,}081$; $1{,}081-950=131$, the total movement of the wind in miles from noon to noon.

184. Velocity of Wind, Estimated.—Whenever instruments are not available for directly measuring the wind velocity it will be estimated by reference to the following scale:

Name.	Miles per hour.
Calm	0 to 5.
Light	6 to 15.
Moderate	16 to 25.
Brisk	26 to 35.
High	36 to 50.
Gale	51 to 65.
Hurricane	66 or more.

185. Dial Readings.—The reading of the anemometer dial made at 12 noon on the first day of each month and at 12 noon each Monday during the month will be recorded on the sheet just taken from the register. Only actual dial readings will be recorded.

186. The accuracy of the anemometer record for each month may be verified at the end of the month as follows: Ascertain the total wind movement by register from 12 noon of the first day of the month in question to 12 noon of the first day of the succeeding month; add to this the dial reading of the first day of the month being verified and divide the sum by 990; the remainder should equal the dial reading on the first day of the succeeding month.

Example.

Total movement, 12 midnight to 12 midnight	3,283
Less twelve hours preceding 12 noon of the first day of month	70
	3,213
12 midnight to 12 noon of first of succeeding month	22
Dial reading on first day of month	303
	990)3,538(3
	2,970
Dial reading on first day of succeeding month	568

187. Anemometers Changed.—When the anemometer is changed a note will be made on the lower margin of the anemometer record sheet, giving the date and the hour of the change and the dial reading of both old and new instruments. If changed at 12 noon both readings will be recorded on the sheet just taken from the register.

188. When an electric sunshine record is made the character of sunrise and sunset will be written, at the proper hours, on Form No. 1017.

189. When both sunshine and rain are recorded on the same sheet the portion representing rain will be clearly marked by brackets and such footnotes added as may be necessary to completely identify the records in case there is likely to be uncertainty.

190. Precipitation.—Whenever a station is equipped with a recording rain gage, that gage will be regarded as the station gage, and the measurements of the amounts of precipitation it collects will be the official measurements of the precipitation at the station.

191. Beginning and Ending of Precipitation.—The time of beginning and ending of precipitation will be recorded on the automatic record sheets (Forms No. 1017 and No. 1028) by direct and reverse check marks, thus (√) (\), accompanied by the letters B and E, respectively, said check marks being placed at the points corresponding in time on the sheet to the observed time of beginning or ending of precipitation, standard of time in local use. Whenever the time of beginning or ending is doubtful the entry will be accompanied by a query mark (?). When the recording gage is not in use in the winter the check marks indicating beginnings and endings should be omitted. Any information that will aid in determining the hourly amounts and rates of rainfall, when imperfectly recorded, should be given.

192. The characters B. D. N. or E. D. N. will be used to denote the beginning and ending of precipitation during the night, when the time is not known.

193. Whenever it becomes necessary to remove the recording gage to prevent injury from freezing (see paragraph 26, Circular E, Instrument Division), a note will be entered on page 9, Form No. 1001, giving the dates it was removed and again exposed. Stick measurements of the amount of precipitation collected in the snow gage will be made as instructed in paragraphs 108 and 109.

194. The precipitation collected in the tipping-bucket gage will be drawn off at each regular record observation, the contents measured by stick in the measuring tube, and the amount recorded on Forms No. 1001 and No. 1017.

195. When the amounts by register and stick measurements at an observation differ by 10 per cent or more, a brief explanation of the probable cause of the discrepancy should be noted on the form upon which the disagreement appears.

196. At stations using the weighing gage the amount of precipitation at the regular a. m. and p. m. observations will, in general, be determined from the record sheet; but, in case of failure of the instrument to properly record, the amount of precipitation will be found by adjusting the sliding weight on the gage until equilibrium is established. The amount of precipitation is then shown by the scale reading, which will be taken to the nearest hundredth only. If a satisfactory scale reading can not be made for any reason the contents of the gage will be emptied into and measured in the tube of the standard 8-inch gage. The recording gage should then be set in operation as soon as practicable.

197. Whenever the gage is emptied at any hour other than noon, the time and the amount of precipitation in it will be entered at the foot of the form. When the sheet is removed the actual amount of precipitation will be entered in the space at the foot of the form, and the trace lines for each twelve hours will be dated at the beginning and ending of the line.

198. The hourly amounts of precipitation will be entered in red ink, near the middle of the hour period, on Form No. 1017 or No. 1028, whichever is used for obtaining the instrumental record; for example, the amount during the hour from 1 to 2 p. m. will be entered near the 1.30 p. m. line on the sheet. In case of precipitation only partly recorded the hourly amounts for the period during which the record was defective will be estimated, if sufficient data are available, otherwise they will be omitted.

199. The totals of the hourly precipitation must in every case equal the total precipitation by stick measurement.

200. In tabulating excessive precipitation data from Forms No. 1017 and No. 1028 for storms in which the rate of fall equals or exceeds the limits shown in the following table, the accumulated amounts for each successive interval of five, ten, fifteen minutes, etc., during which the precipitation continues at an excessive rate will be entered in the table provided for that purpose in the summary, Form No. 1001. Under head "Total duration" will be entered the beginning and ending of precipitation; under "Excessive rate" will be entered the time precipitation began to fall at an excessive rate, which will not be less than 0.05 inch in five minutes irrespective of the printed lines on the form, and the time the precipitation fell below that rate. This, however, must not be construed to mean that short periods during the progress of a storm where the rate falls temporarily below this limit shall be excluded. When the rate falls below the lowest limit, 0.05 inch in five minutes, for a period of thirty minutes or more, the succeeding excessive precipitation will be tabulated separately. Under the heading "Accumulated depths of precipitation," etc., will be entered the accumulated amounts for the respective periods, all periods beginning at the same point of time, which should be identical with that given under "Excessive rate, began—." The tabulation will be continued so long as the excessive rate, as indicated above, continues. When the excessive rate extends beyond one hundred and twenty minutes the tabulation will be made for each fifty minutes separately so long as the excessive rate continues.

Example.

Excessive rate.		Amount before excessive began.	Depths of precipitation (in inches) during period of time indicated.									
Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.
7.01 a. m.	7.51 a. m.	2.66	0.08	0.25	0.38	0.52	0.77	0.88	0.92	1.28	1.42	1.80
7.51 a. m.	8.41 a. m.	--------	2.05	2.24	2.42	2.61	2.82	2.86	2.91	2.94	3.10	3.30
8.41 a. m.	9.31 a. m.	--------	3.53	3.61	3.78	3.92	4.19	4.29	4.35	4.45	4.64	4.70

Table showing limits at which precipitation may be considered as excessive.

Duration in minutes.	Depth of precipitation in inches.	Duration in minutes.	Depth of precipitation in inches.
5	0.25	35	0.55
10	0.30	40	0.60
15	0.35	45	0.65
20	0.40	50	0.70
25	0.45	60	0.80
30	0.50		

201. Storms in which the amount of fall does not equal that given above for any of the periods of time will not be tabulated.

202. In the case of the records from the tipping-bucket gage it must be remembered that in addition to accidental errors due to defective action of the recording mechanisms, there will also frequently be found a discrepancy between the recorded and measured amounts, which is apt to increase with the rate of rainfall, and varies slightly with different gages, and even with the same gage under different circumstances, as regards cleanliness, moisture, etc. The observer must, therefore, apportion the corrections with reference to different rates of rainfall, remembering that hours of heavy rainfall should receive greater corrections than hours in which the rainfall is at a slower rate.

203. In general the method of apportionment illustrated in the following examples will be employed in correcting the automatic records for discrepancies referred to above.

204. Example 1.—The recorded amount of precipitation is 1.14 and the amount of stick measurement 1.23, showing a deficiency in the recorded amount of 0.09. This amount must be added to the record; that is, at the rate of 1 tip for each 12 tips recorded ($1.14 \div 0.09 = 12$; dropping all fractions). Therefore, in each group of 12 recorded tips one extra tip will be added, and the record thus corrected will equal the stick measurement.

205. Example 2.—The recorded amount is 0.86 and the measured amount 0.80, showing an excess in the recorded amount of 0.06. One tip must, therefore, be stricken out in each group of 14 recorded tips (0.86÷0.06=14).

206. In performing the divisions indicated in these examples the observer will always drop all fractions.

207. In many cases the exact point at which a tip is added or stricken out is not of great importance, but, in general, these corrections should be made at those portions of the record showing a noticeably rapid rate.

208. The points at which tips are stricken out in accordance with the foregoing instructions will be indicated on the record sheet by a small cross mark (×) in red ink, and the points where tips are added by a caret (∧) immediately underneath the point; such marks will not be used for any other purpose on the rain-gage record sheets.

209. Stick Measurements.—At noon after each precipitation the water in the weighing gage will be carefully poured into and measured in the measuring tube of the extra gage. If the gage is recording properly, and upon inspection or test is found to be properly balanced, no stick measurements will be made at the time of taking the observation, but the amount of precipitation will be read off from the scale on the gage in accordance with the instructions given in paragraph 59 of Circular E, Instrument Division, and recorded on Form No. 1001. If the gage is not recording properly the amount at each observation will be ascertained by stick measurement, and these values entered on Forms No. 1028 and No. 1001 at each regular observation. Since this gage is generally not emptied at the time of taking an observation, it will rarely occur that the scale reading of the gage will directly give the twelve-hour rainfall called for on Form No. 1001. At the a. m. observation it will be necessary to deduct the scale reading at the last p. m. observation, and at the p. m. observation it will frequently be necessary to add to the scale reading a quantity representing the amount of precipitation that fell between the a. m. observation and the time the gage was emptied at midday. Observers are cautioned against errors in making these entries on Form No. 1001.

RECORDS FROM BAROGRAPHS AND THERMOGRAPHS.

210. Sheets.—Barograph and thermograph sheets will each be clearly marked on the face of the sheet with the name of the station, time on which the records are made (as 75th meridian, 90th meridian, local normal time, etc.), and date, each day's record being dated as near the noon line for that day as practicable.

211. Clocks.—Every effort should be made to properly regulate the clocks to correctly keep time, winding them once a week, or oftener if necessary. The instruments should be inspected each day by the observer and properly adjusted by him when necessary. Whenever they are adjusted a marginal note, stating the fact, will be connected with the proper hour.

212. At the time of adjusting the barograph or thermograph pen, and when changing the record sheet, which will be at an exact hour, standard of normal time in local use, a reading of the station barometer (or dry thermometer) will be made and entered on the trace sheet. The corrections necessary to reduce the register to the standard at the time of changing the sheet and adjusting the pen, and for all regular and special observations, will be entered on the trace sheets in red ink. The pressures and temperatures recorded at the telegraphic "summer time" observations will be considered in conjunction with others in correcting the barograph and thermograph traces, and the temperature should be entered on Form 1014—Met'l, and also on page 5, Form 1001—Met'l, in lieu of the record from the thermograph trace, in all cases where that page is prepared. The barograph trace should be corrected to agree with the station pressure. When the pen is set higher or lower there will be two corrections, one to apply to the preceding record and one to the following record. The correction to be used for other hours will be determined from the correction card by use of a pin or pins, as explained in paragraphs 218 and 219.

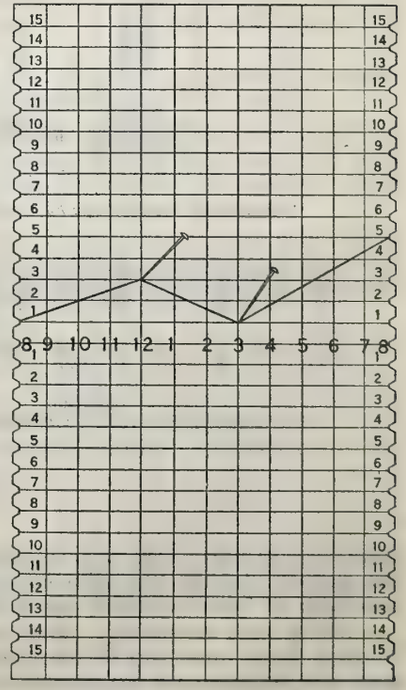
When the pressure or temperature at any particular station is such that the record might pass off the edge of the sheet or not be at all included in the rulings, observers will change the numbering of the lines by some convenient whole number and adjust the pen of the instrument accordingly.

213. Thermograph Time Error.—At the time of taking the a. m. record observation the observer will carefully touch with a lead pencil the lever projecting from the thermograph bulb, so as to cause the pen to make a short vertical mark on the sheet. A note will be made on the first sheet for each month stating the time at which the pen is regularly touched. If it is touched more than five minutes from the regular time a note will be entered stating the exact time the mark was made.

214. Barograph Time Error.—If the barograph pen is not touched within five minutes of 12 noon a note will be entered giving the exact time the mark was made.

215. When the instrument is not running on correct time, this will be considered in taking off the data, so that it will be in true standard of normal time in local use.

216. Correction Card, How Used.—Ascertain the difference between the thermograph reading and the dry bulb thermometer reading at any regular observation under consideration; then set the rubber band on the card in a notch at the left-hand edge corresponding to this difference. If this difference, or correction, must be added to the thermograph reading to make it agree with the dry bulb reading, then the band must be set above the middle line, or, if the difference must be subtracted, set the band below. In a similar manner set the band in a notch at the right-hand edge of the card corresponding to the difference between the thermograph reading and the dry bulb thermometer reading at the next regular observation. The hours on the correction card should be renumbered to agree with the meridian of time in use.



Thermograph correction card.

217. The thermograph correction at any hour between the regular observations is the distance above or below the middle line of the point at which the band crosses that particular hour line.

Example.

Difference at first 8 o'clock observation: +2 (band above middle line).
Difference at next 8 o'clock observation: −3 (band below middle line).

Hourly correction taken to the nearest unit.

9	10	11	12	1	2	3	4	5	6	7
+2	+1	+1	0	0	0	−1	−1	−2	−2	−3

This card also will be used in a similar manner for correcting barograph readings.

218. Eye readings of the thermometer and barometer at exact hours, as provided for in paragraph 212, should be used to check and correct the corresponding recording instruments. If the correction at 12 o'clock, for example, was +3, and at 3 o'clock +1, then if pins be stuck in the card at these points the rubber band may be deflected in the manner shown in the figure, and a complete series of corrections for the twelve-hour period from 8 a. m. to 8 p. m., 75th meridian time, determined.

219. The readings of the maximum and minimum thermometers at 8 a. m. and at 8 p. m., 75th meridian normal time, should also be used in connection with the 8 a. m. and 8 p. m., 75th meridian normal time, and all other readings of the dry thermometer, in order to determine the corrections to be applied to the thermograph trace throughout the 24 hours.

220. These corrections will also be entered on the trace sheet, and will not be accompanied by explanatory phrases such as "correction at time of max.," "correction at time of min.," "correction at 8 a. m.," etc., as these unnecessary entries confuse the record.

221. The corrections thus determined should also be entered in red ink on page 5, Form No. 1001, at the time the dry thermometer was read, or at the hour nearest the time of occurrence of the extremes, as shown by the trace sheet, giving the preference to the previous hour whenever there is uncertainty as to which hour is nearest the time of maximum or minimum, as the case may be.

222. When the maximum or minimum temperature occurs exactly at 8 a. m. or 8 p. m., 75th meridian normal time, the thermograph correction for that hour will be determined from the reading of the dry thermometer only.

FORM No. 1030.

223. The mean temperature for the month will be obtained by dividing the sum of the mean maximum and mean minimum by 2 and will be entered at the foot of the column headed "Mean."

224. The pressure and precipitation will be recorded to hundredths; temperature to nearest whole degree, except in case of the monthly means at the foot of the first three columns, normal for this month, and the average daily excess or deficiency, which will be carried to tenths. The accumulated excess or deficiency since January 1 will be the same as that recorded on page 8, Form No. 1001.

225. The average daily excess or deficiency since January 1 will be obtained by dividing the accumulated amount on the date desired by the number of days since January 1, viz, if the accumulated excess on February 28 is 51, divide it by 59, the number of days since January 1, which gives +0.9 for the average daily excess.

226. When four copies or less are issued the form may be prepared by using carbon paper and a hard lead pencil. At stations possessing the necessary printing facilities the information may be published on blank sheets not larger than the standard form, or on cards not larger than one fold (one-fourth part) of the form; but no data called for by the standard form should be omitted, and the designation "Form No. 1030—Met'l" should appear at the top of the sheet or card and on the briefing fold of the sheet. A copy will be furnished each of the local papers and to such persons as are authorized; one copy will be forwarded to the Central Office also on the first day of the succeeding month.

227. When used for the Pacific Coast the average and excess or deficiency of precipitation will be computed from September 1.

228. A blank column has been provided for sunshine, snowfall, or such other data as may be desired.

229. The regular data called for on Form 1030—Met'l, will be prepared as formerly, but where special tables or other data involving time, as hourly values of temperature, precipitation, and the beginnings and endings of precipitation, etc., are published, they should appear in "normal time" throughout the year, with a footnote, when appropriate, stating, "To convert to 'summer time,' add one hour."

FORM No. 1083.

230. Form No. 1083 will be carried when taking an observation and the data entered immediately thereon.

one copy will be forwarded to the Central Office also on the morning succeeding month.

227. When [illegible] for the Pacific Coast the average and excess or defi[illegible] of precipitation will be computed from September 1.

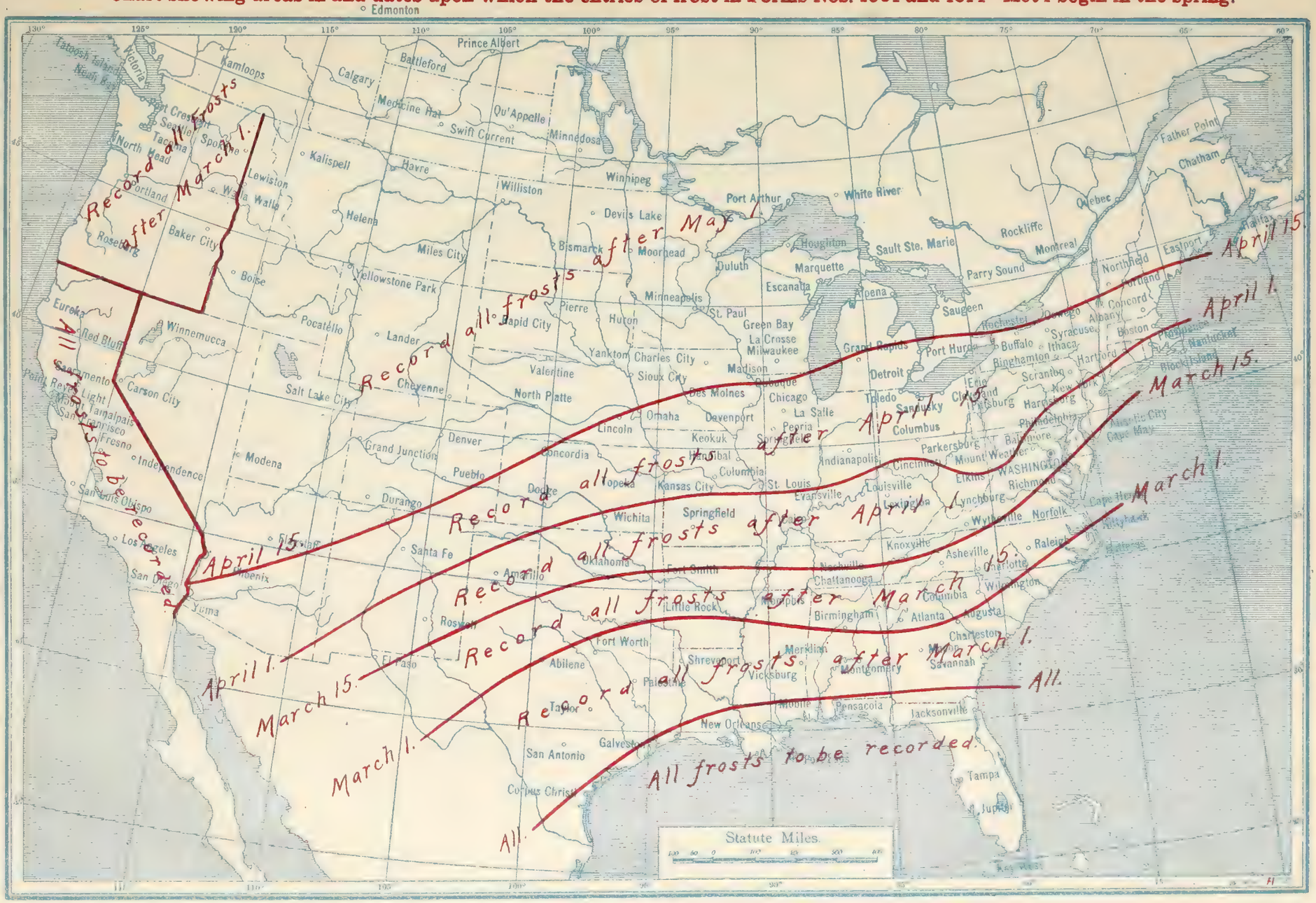
[illegible] other data as may be desired.

229. The regular data called for on Form 1030—Mo[illegible], will be prepared as formerly, but where special tables or other data involving time, as hourly values of temperature, precipitation, and the beginnings and endings of precipitation, etc., are published, they should appear in "normal time" throughout the year, with a footnote, when appropriate, stating, "To convert to 'summer time,' add one hour."

FORM No. 1053.

230. Form No. 1053 will be carried when taking an observation and the data entered immediately thereon.

Chart showing areas in and dates upon which the entries of frost in Forms Nos. 1001 and 1014—Met'l begin in the spring.



U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of January, *191*9

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, from Jan. 21, No. 14249.

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7 a.m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor. Berry & Calhoun street, room 911-912; first observation taken in present office, 7 a.m. May 20, 1911.

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of January, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 P. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 A P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	62.5	28.840	-.097	28.743	29.67	39.7	38.7	38	92	.228	41.8	35.0	SW	16			.06	10	St	SW	Cloudy		PMCD	1
2	61.0	29.310	-.095	29.215	30.18	13.6	13.2	12	92	.070	23.0	13.6	W	9	26	SW	.01	10	Nb	W	Lt Snow		PMCD	2
3	59.0	29.364	-.090	29.274	30.26	0.0	-0.4	-3	87	.032	14.2	-1.4	W	8			0	1	St.Cu	W	Clear		PMCD	3
4	51.0	29.404	-.069	29.335	30.34	-2.4	-3.0	-7	78	.026	2.8	-3.8	SW	10			0	0	0	0	Clear		PMCD	4
5	58.0	29.520	-.087	29.433	30.41	13.0	12.1	9	81	.046	13.0	8.2	SE	[illegible]			0	2	St.	SE	Clear		PMCD	5
6	54.0	29.378	-.077	29.3[illegible]	30.26	23.8	21.3	16	68	.085	23.8	17.2	S	11			T	10	Nb	S	Lt Snow		PMCD	6
7	58.0	29.256	-.087	29.169	30.12	28.0	26.0	22	77	.113	32.9	25.9	S	11			0	4 1	a St. St.	W S	Pt Cloudy		PMCD	7
8	58.0	29.372	-.087	29.285	30.24	22.8	20.7	15	71	.081	33.1	22.8	SW	14	25	W	T	10	St.	SW	Cloudy		PMCD	8
9	55.0	29.108	-.078	29.030	29.99	26.0	24.0	20	75	.103	31.2	23.7	NW	25	26	SW	T	10	St.	NW	Cloudy		PMCD	9
10	60.5	29.285	-.094	29.191	30.15	16.8	15.6	12	80	.070	22.0	12.2	SW	15			T	0	0	0	Clear		PMCD	10
11	61.5	29.396	-.097	29.299	30.26	26.0	24.3	21	79	.108	35.5	23.8	SW	2			0	5	St.	SW	Pt Cloudy		PMCD	11
12	61.5	29.624	-.097	29.527	30.50	16.2	15.0	11	79	.066	26.0	16.2	E	8			0	2	St.	E	Clear		PMCD	12
13	62.0	29.336	-.098	29.238	30.18	40.0	35.0	28	61	.150	41.8	36.9	SW	13			0	1	St.	SW	Clear		PMCD	13
14	64.0	29.264	-.103	29.161	30.10	30.7	28.2	24	74	.124	42.0	29.9	W	9			0	10	St.	W	Cloudy		PMCD	14
15	62.5	29.404	-.099	29.305	30.26	28.3	26.9	24	84	.124	31.8	27.0	W	8			0	10	St.	W	Cloudy		PMCD	15
16	62.5	29.336	-.099	29.237	30.19	30.6	28.6	26	79	.136	35.0	29.7	SW	11			0	1	a St.	W	Clear		PMCD	16
17	59.0	29.154	-.089	29.065	30.01	32.2	30.2	27	79	.143	39.8	32.2	SW	10			0	2	St	SW	Clear		PMCD	17
18	61.5	28.946	-.095	28.851	29.80	32.4	29.9	26	75	.136	39.7	32.0	SW	10			0	1	a. St.	W	Clear		PMCD	18
19	65.0	29.248	-.105	29.143	30.08	31.3	29.2	26	78	.136	44.0	31.3	NE	6			0	10	St	NE	Cloudy		PMCD	19
20	65.0	29.230	-.105	29.125	30.07	25.0	24.0	22	87	.113	33.0	25.0	E	6			0	2 2	a St St	W E	Pt Cloudy		PMCD	20
21	64.0	29.185	-.102	29.083	30.02	40.3	37.9	35	81	.203	47.5	39.7	S	9			0	4 4	a St St.	NW S	Cloudy		PMCD	21
22	66.0	29.260	-.108	29.152	30.08	42.9	41.4	40	88	.247	48.0	38.4	SW	3			0	10 Lt.	St Fog	SW SW	Cloudy		PMCD	22
23	67.5	29.049	-.111	28.938	29.87	40.3	39.3	38	92	.228	52.2	40.3	SW	6			.52	10	Nb	SW	Lt. Rain		PMCD	23
24	64.0	29.309	-.103	29.206	30.15	32.0	30.8	29	88	.157	33.8	31.7	SW	6			0	10	St.	SW	Cloudy		PMCD	24
25	63.5	29.166	-.101	29.065	30.01	35.0	32.0	28	73	.150	35.0	31.9	S	9			0	1	St.	S	Clear		PMCD	25
26	62.0	29.150	-.097	29.053	30.00	30.2	28.4	26	81	.136	40.0	30.2	SW	8			0	0	0	0	Clear		PMCD	26
27	59.0	29.250	-.089	29.161	30.10	32.8	31.2	29	84	.157	40.0	32.8	SW	6			0	0	0	0	Clear		PMCD	27
28	62.5	29.110	-.098	29.012	29.95	33.4	32.0	30	86	.164	42.5	33.4	W	9			0	10	St.	W	Cloudy		PMCD	28
29	62.5	29.167	-.098	29.069	30.02	29.6	28.1	26	84	.136	31.5	29.4	NW	11			0	10	St.Cu	NW	Cloudy		PMCD	29
30	62.5	29.063	-.098	28.965	29.91	33.2	31.7	29	85	.157	35.0	30.3	W	9			0	0	0	0	Clear		PMCD	30
31	60.5	29.223	-.093	29.130	30.08	28.4	26.3	23	76	.118	37.2	28.4	W	7			0	0	0	0	Clear		PMCD	31
Sums	(a)	(a)	(a)	903.761	933.26	852.1	798.5	702	2494	3.957	(a)	(a)	(a)	291	(a)	(a)	.59	163	(a)	(a)	(a)		(a)	(a)
Means	(a)	(a)	(a)	29.154	30.105	27.5	25.8	22.6	80.5	.128	(a)	(a)	(c) SW	9.4	(a)	(a)	(a)	5.3	(c) St.	(c) SW NW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of January, 1919

Number of Station barometer, 656; sum of corrections, -009 inch.

Observations at 8 A. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity.	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	59.0	29.066	-089	28.977	29.93	23.0	21.0	16	73	.085	39.7	23.0	W	22	31	SW	.10	10	St.Cu	W	Cloudy			P.M.D.	1
2	67.5	29.360	-112	29.248	30.22	14.2	12.0	4	60	.047	16.0	12.4	W	13			.01	0	0	0	Clear			A.S.B.	2
3	64.0	29.330	-103	29.227	30.23	1.4	0.8	-3	81	.032	4.6	0.0	W	14			T	0	0	0	Clear			A.S.B.	3
4	63.5	29.484	-102	29.382	30.37	10.2	9.0	4	74	.047	14.5	-2.4	SW	2			0	0	0	0	Clear			A.S.B.	4
5	59.0	29.494	-090	29.404	30.38	21.6	18.6	11	58	.066	23.0	13.0	SW	6				7	St.	SW	Pt. Cloudy			P.M.D.	5
6	65.0	29.310	-105	29.205	30.15	32.0	30.8	29	88	.157	32.2	22.7	SW	11	25	SW	.02	10	St	SW	Cloudy			A.S.B.	6
7	64.0	29.250	-102	29.148	30.10	33.1	31.1	28	80	.150	35.2	28.0	SW	12			T	10	St.Cu	SW	Cloudy			A.S.B.	7
8	63.0	29.074	-099	28.975	29.94	26.0	23.5	18	69	.093	28.2	20.1	SW	20			0	0	0	0	Clear			A.S.B.	8
9	68.5	29.490	-115	29.375	30.35	21.2	19.7	16	78	.085	26.1	19.8	NW	6	31	NW	T	9	Nb	NW	Lt. Snow			A.S.B.	9
10	66.0	29.234	-108	29.126	30.09	35.5	31.0	24	60	.124	39.3	16.8	SW	13	36	SW	0	0	0	0	Clear			A.S.B.	10
11	68.0	29.616	-114	29.502	30.47	26.0	23.8	19	73	.098	31.3	21.8	NE	12			T	9	St.Cu	E	Cloudy			A.S.B.	11
12	64.0	29.456	-103	29.353	30.32	38.3	34.2	28	66	.150	41.4	25.8	SE	9			0	L 2	Ci.Cu St	W SE	Cloudy			P.M.D.	12
13	70.5	29.284	-120	29.164	30.10	42.0	37.4	32	65	.180	50.0	39.2	SW	8			0	2	Ci.St	NW	Clear			A.S.B.	13
14	68.5	29.296	-115	29.181	30.13	31.8	30.3	28	85	.150	33.9	30.1	NW	8			0	10	St.	NW	Cloudy			A.S.B.	14
15	67.0	29.420	-111	29.309	30.27	35.0	30.8	24	62	.124	39.6	28.0	SW	10			0	0	0	0	Clear			A.S.B.	15
16	63.0	29.156	-100	29.056	30.01	39.0	33.9	27	59	.143	46.2	30.6	SW	17	25	SW	0	9	St.Cu	SW	Cloudy			A.S.B.	16
17	67.0	29.038	-110	28.928	29.88	39.7	35.2	29	64	.157	46.7	32.0	SW	6			0	2	Ci.St	NW	Clear			A.S.B.	17
18	67.0	29.076	-110	28.966	29.91	44.0	38.9	32	63	.180	49.8	32.4	SW	8			0	2	St	S.	Clear			A.S.B.	18
19	67.0	29.316	-111	29.205	30.15	33.0	31.2	28	82	.150	42.8	30.0	E	8			0	0	0	0	Clear	B 11:45a E 11:45a		P.M.D.	19
20	67.0	29.172	-110	29.062	30.01	47.5	40.5	32	54	.180	56.7	23.8	SW	8			0	0	0	0	Clear			A.S.B.	20
21	69.0	29.173	-116	29.057	30.00	48.0	43.8	40	72	.247	56.9	40.3	SW	12			0	0	0	0	Clear	B 9:00p		A.S.B.	21
22	69.5	29.224	-117	29.107	30.04	52.2	47.7	43	72	.277	56.8	42.7	S	9			0	4	St.Cu	SW	Pt. Cloudy	E 11:15a		A.S.B.	22
23	70.0	29.148	-118	29.030	29.98	33.8	32.0	29	83	.157	40.3	33.4	W	14			.03	10	St.	W	Cloudy			A.S.B.	23
24	68.0	29.268	-113	29.155	30.10	34.2	32.7	30	86	.164	36.2	31.8	SE	7			0	0	0	0	Clear			A.S.B.	24
25	63.5	29.068	-101	28.967	29.91	40.0	37.8	35	82	.203	47.2	35.0	SW	8			0	0	0	0	Clear			A.S.B.	25
26	63.5	29.200	-101	29.099	30.05	40.0	35.0	28	61	.150	46.3	29.6	SW	10			0	0	0	0	Clear			P.M.D.	26
27	66.5	29.232	-109	29.123	30.06	42.5	37.0	30	66	.164	50.4	32.6	SW	6			0	0	0	0	Clear			A.S.B.	27
28	67.5	29.114	-111	29.003	29.95	31.5	30.0	28	84	.150	35.8	30.6	W	12			0	10	St.Cu	W	Cloudy			A.S.B.	28
29	67.0	29.184	-110	29.074	30.02	33.0	29.6	24	67	.124	37.2	29.6	SW	7			0	0	0	0	Clear			A.S.B.	29
30	68.0	29.190	-113	29.077	30.03	37.2	33.0	27	65	.143	44.2	33.2	SW	7			0	0	0	0	Clear			A.S.B.	30
31	68.0	29.290	-113	29.177	30.13	33.0	30.1	25	72	.130	40.4	27.7	NW	6			0	0	0	0	Clear			W.S.B.	31
Sums	(a)	(a)	(a)	903.662	933.28	1019.9	922.4	765	2198	4.307	(a)	(a)	(a)	311	(a)	(a)	0.16	117	(a)	(a)	(a)	3	0	(a)	(a)
Means	(a)	(a)	(a)	29.150	30.106	32.9	29.8	24.7	70.9	.139	(a)	(a)	(c) SW	10.0	(a)	(a)	(a)	3.6	(c) St.Cu St.	(c) SW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian normal time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of January, 1917

Number of Station barometer, 656; sum of corrections, -0.09 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer. normal time.	Time. Local (standard) normal time.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
8	1:00 pm	12:00 m	65.0	29.318	-.105	29.213	30.17	22.0	19.8	14	8	69	22.8	SW	17			0	10	St	SW	Cloudy	Ordered C. by O.	A.S.B.	8
23	12:00 m	11:00 am	71.0	29.072	-.120	28.952	29.89	35.5	34.0	32	4	86	40.3	W	17			.03	10	St.Cu	W	Cloudy	Ordered C. by O.	A.S.B.	23
1	5:40 a	4:40 a				28.660	29.59	41.0																	1
12	2:30 a	1:30 a				29.550	30.52	21.0																	12

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of January, 1919

Wind—Number of Miles and Length of Time From. (Standard of normal time in local use, 90th meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
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SUM.																				
PERCENTAGE																				
AVG. HOURLY VELOCITY		a		a		a		a		a		a		a		a		a		a

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Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of February, *191*9

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7 a.m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor Berry & Calhoun street, room 911-912; first observation taken in present office, 7:00 a.m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of February, 1919

Number of Station barometer, 656; sum of corrections, -009 inch.

Observations at 8 P. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	64.0	29.430	-103	29.327	30.29	19.5	18.0	14	77	.077	33.0	19.0	NE	6			0	0	0	0	Clear		H.S.B.	1
2	62.5	29.406	-099	29.307	30.27	18.0	16.4	12	75	.070	28.0	18.0	E	6			0	0	0	0	Clear		H.S.B.	2
3	61.5	29.122	-095	29.027	29.98	33.5	30.0	24	66	.124	34.2	32.2	E	4			0	10	St.Cu	E	Cloudy		H.S.B.	3
4	61.0	29.050	-094	28.956	29.91	25.0	23.8	22	85	.113	47.3	25.0	W	14			.01	10	St.	NW	Cloudy		H.S.B.	4
5	59.0	29.216	-089	29.127	30.09	15.2	14.0	10	79	.063	23.0	14.2	SW	8			0	0	0	0	Clear		H.S.B.	5
6	60.0	29.217	-092	29.125	30.08	19.6	18.0	14	76	.077	25.4	17.0	W	6			0	0	0	0	Clear		H.S.B.	6
7	62.0	29.314	-098	29.216	30.17	28.0	27.0	25	88	.130	29.6	26.8	NW	6			T	10	Nb	NW	Lt. Snow		H.S.B.	7
8	63.0	29.356	-100	29.256	30.23	15.0	13.8	10	79	.063	27.5	13.5	W	6			.01	0	0	0	Clear		H.S.B.	8
9	61.0	29.292	-095	29.197	30.16	22.5	21.0	18	80	.093	24.0	21.0	NW	6			T	10	Nb	NW	Lt. Snow		H.S.B.	9
10	60.0	29.392	-093	29.299	30.26	23.5	21.5	17	74	.089	26.0	21.4	NW	6			T	8	St.Cu	NW	Cloudy		H.S.B.	10
11	64.0	29.104	-102	29.002	29.95	29.0	26.6	22	73	.113	30.0	27.2	S	8			0	1 6	a St St.	W SW	Pt. Cloudy		H.S.B.	11
12	61.0	28.954	-094	28.860	29.81	34.2	31.0	26	70	.136	37.6	32.2	W	8			0	0	0	0	Clear		H.S.B.	12
13	65.0	28.700	-103	28.597	29.52	39.0	38.0	37	92	.219	44.0	36.8	E	11			.15	10	Nb	E	Lt. Rain		H.S.B.	13
14	65.0	28.388	-103	28.285	29.19	38.0	36.8	35	89	.203	47.6	37.5	S	9			.02	10	Nb	SW	Lt. Rain		H.S.B.	14
15	65.0	28.644	-103	28.541	29.47	34.0	33.4	33	94	.187	36.0	34.0	W	5			.02	10	Nb	W	Lt. Snow		H.S.B.	15
16	62.0	29.264	-098	29.166	30.12	29.0	27.2	24	80	.124	30.4	29.0	NW	9			0	9	St.Cu	NW	Cloudy		H.S.B.	16
17	58.0	29.136	-086	29.050	30.00	27.2	25.7	23	82	.118	28.8	25.0	S	12			0	10	St.Cu	SW	Cloudy		H.S.B.	17
18	59.0	29.384	-090	29.294	30.25	27.8	26.0	23	79	.118	31.7	27.0	NW	8			T	6	St.Cu	NW	Pt. Cloudy		H.S.B.	18
19	62.0	29.720	-099	29.621	30.59	22.0	19.6	18	66	.074	32.2	21.5	E	5			0	2	Ci.St	W	Clear		H.S.B.	19
20	62.0	29.518	-098	29.420	30.38	24.0	22.7	20	83	.103	31.0	23.4	E	8			0	9	St	E	Cloudy		H.S.B.	20
21	64.0	29.010	-102	28.908	29.86	37.2	37.2	37	100	.219	37.2	30.4	SW	8			.14	Dense	Fog	SW	Foggy		H.S.B.	21
22	65.0	28.970	-104	28.866	29.82	34.0	33.5	33	95	.187	36.3	32.4	E	6			0	Dense	Fog	E	Foggy		H.S.B.	22
23	60.0	29.056	-091	28.965	29.91	33.1	31.6	29	85	.157	33.5	32.0	W	14	32 ~~37~~	SW ~~W~~	T	10	St.Cu	W	Cloudy		H.S.B.	23
24	62.0	29.408	-098	29.310	30.27	28.4	27.5	26	90	.136	35.0	27.0	S	2			0	2 1 Lt.	Ci.St a St Fog	W W S	Clear		H.S.B.	24
25	66.0	28.891	-107	28.784	29.71	39.8	37.3	34	80	.195	41.2	37.0	SW	6			0	10	St.	SW	Cloudy		H.S.B.	25
26	60.0	29.330	-092	29.238	30.21	12.0	10.8	7	76	.054	20.6	11.2	W	10			0	0	0	0	Clear		H.S.B.	26
27	63.0	29.256	-100	29.156	30.12	23.8	22.0	18	77	.093	25.4	21.8	E	3			0	3	a St	W	Clear		H.S.B.	27
28	67.0	28.868	-109	28.759	29.68	43.0	40.2	37	79	.219	43.0	34.2	S	16			0	2 8	a St St.Cu	SW S	Cloudy		H.S.B.	28
29																								29
30																								30
31																								31
Sums	(a)	(a)	(a)	813.659	840.30	775.3	730.6	643	2269	3.554	(a)	(a)	(a)	216	(a)	(a)	0.35	157	(a)	(a)	(a)		(a)	(a)
Means	(a)	(a)	(a)	29.059	30.011	27.7	26.1	23.0	81.0	.127	(a)	(a)	(c) W	7.7	(a)	(a)	(a)	5.6	(c) St.Cu	(c) W	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of February, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 A. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	71.5	29.473	-.123	29.350	30.32	28.0	25.0	19	66	.098	30.1	19.5	E	2			0	0	0	0	Clear			PMD.	1
2	65.0	29.274	-.105	29.169	30.13	34.2	32.2	29	81	.157	37.2	18.0	E	6			0	0	0	0	Clear			ASB.	2
3	67.0	28.980	-.110	28.870	29.81	47.3	43.1	39	72	.237	57.6	33.5	S	9			0	10	St.	S	Cloudy			PMD.	3
4	67.0	29.208	-.110	29.098	30.06	23.0	20.0	12	60	.070	28.7	23.0	W	14			0	0	0	0	Clear			PMD.	4
5	68.0	29.186	-.113	29.073	30.03	25.4	21.8	13	56	.074	29.3	15.0	W	4			0	0	0	0	Clear			PMD.	5
6	68.5	29.308	-.115	29.193	30.15	29.6	26.1	20	62	.103	31.3	19.6	NW	7			0	10	St.	NW	Cloudy			PMD.	6
7	66.0	29.308	-.113	29.195	30.15	27.5	26.5	24	88	.124	32.2	26.3	NW	4			.04	10	Nb	NW	Lt. Snow			PMD.	7
8	69.5	29.373	-.117	29.256	30.23	24.0	22.5	19	81	.098	25.0	13.8	W	6			.01	10	Nb	W	Lt. Snow			PMD.	8
9	62.5	29.324	-.099	29.225	30.18	26.0	25.0	23	88	.118	26.2	22.5	NW	7			T	10	Nb	NW	Lt. Snow			ASB.	9
10	69.0	29.330	-.116	29.214	30.17	30.0	27.0	22	68	.113	34.6	23.5	SE	4			0	10	St. & Cu	NW	Cloudy			PMD.	10
11	67.5	28.980	-.111	28.869	29.82	32.2	30.7	28	85	.150	34.0	29.0	SW	12			T	3	St.	SW	Clear			PMD.	11
12	69.0	28.944	-.115	28.829	29.76	44.0	40.0	35	71	.203	55.2	34.2	S	9			0	10	St.	S	Cloudy			PMD.	12
13	71.0	28.408	-.118	28.290	29.20	47.6	46.5	45	92	.298	51.7	39.0	E	9			.34	7	St.	E	Pt. Cloudy			PMD.	13
14	69.0	28.504	-.113	28.391	29.32	36.0	35.0	34	91	.195	39.0	36.0	S	9			.04	10	Nb	S	Lt. Rain			PMD.	14
15	70.0	29.078	-.118	28.960	29.91	30.4	27.2	22	66	.113	34.0	30.4	NW	12			.02	10	St.	NW	Cloudy			PMD.	15
16	61.0	29.295	-.095	29.200	30.15	28.8	27.3	25	83	.130	31.2	28.8	SW	14			0	10	St.	SW	Cloudy			ASB.	16
17	64.0	29.190	-.102	29.088	30.04	31.7	30.1	28	84	.150	34.0	27.2	W	12			.14	10	Nb	W	Lt. Snow			PMD.	17
18	67.5	29.620	-.113	29.507	30.47	32.2	28.7	23	65	.118	34.0	26.2	NW	5			0	0	0	0	Clear			PMD.	18
19	69.0	29.710	-.118	29.592	30.56	31.0	28.0	23	69	.118	34.6	22.0	E	9			0	0	0	0	Clear			PMD.	19
20	69.0	29.140	-.116	29.024	29.97	31.2	31.2	31	100	.172	35.1	24.0	E	9			.06	10	Nb	E	Lt. Snow			PMD.	20
21	72.0	29.180	-.124	29.056	30.01	36.3	35.0	33	89	.187	42.0	36.3	W	6			.03	10	St.	W	Cloudy	B 11:15a E 12:45p B 9:10a E 2:40p	B 8:00a E 11:15a B 8:00a E 9:10a	PMD.	21
22	69.5	28.641	-.115	28.526	29.46	33.5	33.0	32	95	.180	45.1	33.6	SW	25	40	SW	.28	10	Nb	SW	Lt. Snow			ASB.	22
23	64.5	29.338	-.104	29.234	30.17	35.0	32.4	29	76	.157	37.8	33.1	W	8			0	4	Cu	W	Pt. Cloudy			ASB.	23
24	70.0	29.145	-.118	29.027	29.98	41.2	36.3	29	63	.157	45.0	28.4	E	4			0	5	St.	E	Pt. Cloudy	B 8:00a E 9:40a		PMD.	24
25	73.5	29.195	-.128	29.067	30.02	20.6	18.4	13	68	.074	39.8	20.6	NW	15	26	NW	.01	0	0	0	Clear			PMD.	25
26	69.0	29.372	-.116	29.256	30.23	25.0	21.0	11	50	.066	26.3	8.9	NW	5			0	0	0	0	Clear			PMD.	26
27	72.0	29.080	-.123	28.957	29.91	42.5	35.0	24	46	.124	47.9	23.8	SE	8			0	0	0	0	Clear			PMD.	27
28	69.0	28.788	-.114	28.674	29.61	20.5	17.5	9	56	.060	54.3	20.5	SW	40	47	SW	.18	10	Nb	SW	Lt. Snow			PMD.	28
29																									29
30																									30
31																									31
Sums	(a)	(a)		813.190	839.82	894.7	822.5	694	2071	3.844	(a)	(a)	(a)	274	(a)	(a)	1.15	169	(a)	(a)	(a)	3	2	(a)	(a)
Means	(a)	(a)		29.042	29.994	32.0	29.4	24.8	74.0	.137	(a)	(a)	(c) NW	9.8	(a)	(a)	(a)	6.0	(c) St.	(c) NW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian normal time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of February, 1919

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	30	19	11	8	24																0				0	0	0	0	1
2	37	18	19	4	28																0				0	0	0	0	2
3	52	32	20	14	42				R	7:05p	9:20p	R	11:N.P.	---							.01				0	0	0	0	3
4	36	19	17	14	28				R	---	11:N.A.										T				0	0	0	0	4
5	29	14	15	6	22																0				0	0	0	0	5
6	31	17	14	2	24																0				0	0	0	0	6
7	32	23	9	4	28				Sm	11:N.A.	9:55a	Sm	1:40p	11:N.P.							.05				0	0.6	0.3	.05	7
8	25	14	11	8	20				Sd	10:55a	11:N.P.										.01				0	0.2	0.2	.01	8
9	26	21	5	4	24				Sd	11:N.A.	9:50a	Sd	2:10p	7:35p	Sd	11:30p	---				T				0	T	T	T	9
10	35	22	13	4	28				Sd	---	11:N.A.										T				0	T	T	T	10
11	38	27	11	4	32				Sm	11:50a	2:30p										T				0	T	T	T	11
12	55	34	21	12	44																0				0	0	0	0	12
13	52	37	15	0	44				R	11:N.A.	1:20p	R	11:N.P.	---							Ø .49				0	0	0	0	13
14	43	34	9	6	38				R	---	10:40a	R	11:30a	12:15p	R	12:30p	11:N.P.				.08				0	0	0	0	14
15	34	30	4	6	32				Sm	6:30a	12:10p	Sm	12:50p	3:10p							.02				0	× T	0	.02	15
16	31	27	4	3	29																0				0	0	0	0	16
17	34	25	9	1	30				Sm	7:45a	2:50p	Sm	6:30p	7:10p							.14				0	1.7	1.0	.14	17
18	34	26	8	0	30																0				0	T	0.2	0	18
19	35	22	13	2	28																0				0	0	0	0	19
20	35	23	12	1	29				R	3:10p	3:55p	Sm	3:55p	8:45p	R	8:45p	10:15p				Ø .15				0	0.6	0.5	Ø .10	20
21	42	33	9	9	38				R	11:N.A.	11:N.A.	R	10:05a	12:15p							Ø .08				0	0.4	0	0	21
22	45	32	13	0	38				R	10:05a	6:20p	Sm	6:20p	7:45p							.28				0	T	T	T	22
23	38	31	7	4	34																0				0	T	0	0	23
24	45	27	18	2	36																0				0	0	0	0	24
25	40	18	22	7	29				R	7:50a	9:45a	Sm	9:45a	11:45a							.01				0	T	0	T	25
26	26	9	17	11	18																0				0	0	0	0	26
27	48	22	26	17	35																0				0	0	0	0	27
28	54	14	40	1	34				R	1:15p	2:10p	R+H	2:30p	2:40p	R	2:40p	3:25p	Sd	5:20p	---	Ø .19				T	T	T	Ø .01	28
29																													29
30																													30
31																													31
S	1062	670	392	154	866		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	1.51		Total excess or deficiency since January 1,		T	3.5	(a)	(a)	(a)
M	37.9	23.9	14.0	5.5	30.9	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

Ø Estimated
× Snow melted as it fell

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SUMMARY FOR THE MONTH OF February, 1910

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian normal time. All other data are in the standard of normal time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.005.)

STATION.								REDUCED.							
Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
8 a. m.	8 p. m.	Monthly. (g)						8 a. m.	8 p. m.	Monthly. (g)					
29.059	29.042	29.050	29.660	19	28.240	13	1.420	30.011	29.994	30.002	30.64	19	29.14	13	1.50
Corrected mean		29.045						Corrected mean		29.997	3,500-ft			10,000-ft	

TEMPERATURE.

Mean.																				
Dry.			Wet.			Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
8 a. m.	8 p. m.	(8+8)÷2 (g)	8 a. m.	8 p. m.	Monthly. (g)															
27.7	32.0	29.8	26.1	29.4	27.8	37.9	23.9	30.9				55	12	9	26	46	40	28	4	15

Dew-point.			Relative Humidity.			Vapor Pressure.			Number of days with—(j)			
									Maximum.		Minimum.	
8 a. m.	8 p. m.	Monthly. (g)	8 a. m.	8 p. m.	Monthly. (g)	8 a. m.	8 p. m.	Monthly. (g)	32° or below.	90° or above.	32° or below.	Zero or below.
23.0	24.8	23.9	81.0	74.0	77.5	.127	.137	.132	7	0	22	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the—								
						N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6258	9.3	W	47	SW	28	0	1	13	2	8	7	13	12	0

WEATHER.

Mean Cloudiness.			Sunshine.	Number of Days.			Number of Days with Precipitation (Mid. to Mid.).		
8 a. m.	8 p. m.	Monthly. (t)	Percentage of possible.	Clear.	Partly cloudy.	Cloudy.	Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.6	6.0	7.0	42	4	10	14	0	2	10

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts.			Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog.		Haze.		Smoke.		Hail.	Aurora.
Light.	Heavy.	Killing.					Light.	Dense.	Light.	Dense.	Light.	Dense.		
—	—	—	28	22 28	0	0	21,22,24	21,22	0	0	0	0	28	

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours.		Excessive.						Number of days with—(Mid. to Mid.).								Snow.	
			2.50 Inches in 24 Hours. (l) *			1 Inch per Hour. (l)									Snow.			
	Amt.	Date. (k)	Amt.	Duration. h. m.	Date. (k)	Amt.	Duration. h. m.	Date. (k)	Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Trace or more.	.01 or more melted.	Total Depth. (o)	Average Depth at End of Month.
1.51	0.50	ϕ 13-14	0			0			4	12	8	2	0	16	11	6	3.5	T

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

EXCESSIVE.

Date.	Total Duration.		Total amount of precipitation.	Excessive Rate.		Amt. before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Tipping bucket raingage not exposed during month																				

ϕ Estimated from D.N. a.m. of 13th to D.N. a.m. of 14th

* The duration is the time precipitation was actually recorded.

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Prepared by CASB

P. A. Youngquist, Meteorologist, Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of February, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer. normal time.	Time. Local (standard) normal time.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
13	12:00 m	11:00 am	67.5	28.560	-.109	28.451	29.37	43.0	42.0	41	2	92	43.0	E	20	20	E	.14	10	Nb	E	Lt. Rain	Ordered by C.O.	A.S.B.	13
22	1:00 pm	12:00 m	70.5	28.655	-.118	28.537	29.47	41.0	41.0	41	0	100	41.0	E	15			.15	10	Nb	E	Lt. Rain	Ordered by C.O.	A.S.B.	22
28	1:00 p.m.	12:00 m	71.0	28.638	-.119	28.519	29.44	51.6	47.3	43	9	73	51.6	S	24	24	S	0	10	St. Cu	SW R	Cloudy	Ordered by C.O.	A.S.B.	28
13	11:00 pm	10:00 pm				28.240	29.14	43.0																	13
19	11:00 am	10:00 am				29.660	30.64	29.0																	19

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ....., for the Month of ....., 191

Wind—Number of Miles and Length of Time From. (Standard of normal time in local use, ... meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
3																				
4																				
5																				
6																				
7																				
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28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																				
AVG. HOURLY VELOCITY		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*

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Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of March, *1919*

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -017; date and observation upon which use of station barometer commenced, May 20, 1911. 7 a.m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor Berry & Calhoun street, room 911-912; first observation taken in present office, 7 a m. May 20, 1911.

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of March, 1917

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 P. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	56.0	29.294	-.082	29.212	30.18	12.2	11.0	7	76	.054	20.5	12.2	W	14	46	SW	.02	2	St. Cu	W	Clear		PMcD.	1
2	62.0	29.320	-.098	29.222	30.18	26.0	25.0	23	88	.118	28.3	24.1	SW	5			0	Few	St.	SW	Clear		PMcD	2
3	62.0	29.332	-.098	29.234	30.17	30.4	28.9	26	84	.136	41.8	30.2	SE	3			0	0	0	0	Clear		PMcD.	3
4	62.5	29.078	-.098	28.980	29.91	48.0	43.0	37	67	.219	48.0	42.9	SW	14			0	8	St. Cu	SW	Cloudy		PMcD	4
5	66.0	29.026	-.107	28.919	29.87	25.6	25.1	25	94	.130	47.5	25.6	N	12			.24	10	St.	N	Cloudy		PMcD.	5
6	64.5	29.380	-.105	29.275	30.25	19.0	17.8	15	82	.081	25.6	19.0	NE	8			T	1	St. Cu	NE	Clear		PMcD.	6
7	64.0	29.393	-.103	29.290	30.25	22.6	21.1	18	80	.093	26.0	22.0	E	5			0	7	St. Cu	E	Pt. Cloudy		PMcD.	7
8	63.5	29.520	-.102	29.418	30.38	24.3	22.3	18	74	.093	32.8	24.0	E	9			0	2	Cu St.	W	Clear		PMcD	8
9	64.0	28.712	-.101	28.611	29.54	30.0	28.8	27	87	.143	33.0	28.3	NW	16	26	NE	.66	10	Nb	NW	Lt. Snow		PMcD	9
10	60.0	29.280	-.092	29.188	30.14	28.0	25.5	21	71	.108	34.4	26.7	S	10			0	1	St	S	Clear		PMcD.	10
11	61.5	29.452	-.097	29.355	30.31	29.4	28.2	26	87	.136	36.4	27.9	W	6			0	7	St. Cu	W	Pt. Cloudy		PMcD	11
12	65.0	29.532	-.106	29.426	30.39	33.2	29.7	24	66	.124	36.0	31.3	SW	12			0	0	0	0	Clear		PMcD.	12
13	66.0	29.380	-.109	29.271	30.21	40.3	35.6	29	63	.157	48.0	38.4	SW	5			0	10	St. Cu	SW	Cloudy		PMcD.	13
14	65.0	29.522	-.106	29.416	30.38	28.3	27.8	27	94	.143	32.3	27.2	NE	12	30	NE	.10	10	Nb	NE	Lt. Snow		PMcD.	14
15	64.5	29.385	-.105	29.280	30.23	50.4	49.1	49	96	.347	50.4	33.6	E	6			1.30	10	Nb	E	Lt. Rain		PMcD	15
16	67.0	29.226	-.110	29.116	30.05	58.3	57.3	56	94	.448	60.2	55.5	S	18			.58	10	Nb	SW	Lt. Rain		PMcD	16
17	68.0	29.092	-.112	28.980	29.90	57.0	55.5	54	88	.417	61.0	55.2	S	5			.04	10	Nb	S	Lt. Rain		PMcD.	17
18	65.5	29.331	-.107	29.224	30.16	35.7	34.7	34	91	.195	41.5	35.3	NW	10	35	NW	.03	10	St. Cu	NW	Cloudy		PMcD.	18
19	69.0	29.560	-.117	29.443	30.39	36.0	34.0	31	82	.172	40.0	33.3	S	3			0	0	0	0	Clear		PMcD.	19
20	67.5	29.596	-.113	29.483	30.43	36.0	32.7	28	71	.150	49.0	34.4	NE	5			0	Few	St.	0	Clear		PMcD.	20
21	69.0	29.680	-.118	29.562	30.51	38.7	36.3	33	80	.187	55.2	38.7	N	6			0	1	St. Cu	N	Clear		PMcD.	21
22	65.5	29.784	-.108	29.676	30.65	27.7	25.2	21	71	.108	36.0	25.4	NE	10			0	0	0	0	Clear		PMcD.	22
23	67.0	29.640	-.112	29.528	30.49	30.4	28.4	25	78	.130	42.2	28.3	NE	4			0	0	0	0	Clear		PMcD	23
24	68.0	29.530	-.114	29.416	30.37	37.6	34.1	29	71	.157	49.2	35.0	E	8			0	0	0	0	Clear		PMcD.	24
25	69.0	29.380	-.111	29.269	30.21	35.5	32.3	28	71	.150	50.8	34.2	E	4			0	4 2	Ci. Cu St.	W E	Pt. Cloudy		PMcD	25
26	70.0	29.106	-.118	28.988	29.91	55.2	47.2	39	55	.237	63.0	54.3	SW	3			0	10	St.	SW	Cloudy		PMcD.	26
27	65.5	29.213	-.106	29.107	30.05	31.3	29.2	26	78	.136	51.8	31.3	NW	18	27	NW	.02	10	St. Cu	NW	Cloudy		PMcD	27
28	63.5	29.512	-.102	29.410	30.37	26.2	24.7	22	82	.113	31.0	25.4	NW	10			0	0	0	0	Clear		PMcD	28
29	65.0	29.560	-.106	29.454	30.41	32.4	29.4	24	70	.124	39.5	30.4	SW	5			0	0	0	0	Clear		PMcD.	29
30	66.0	29.272	-.108	29.164	30.10	34.0	32.8	31	88	.172	47.7	33.3	E	10			.04	9	St. Cu.	SE	Cloudy		PMcD	30
31	64.0	29.444	-.103	29.341	30.30	29.0	27.0	24	78	.124	35.7	27.6	N	15			T	1	Cu	N	Clear		PMcD	31
Sums		(a)	(a)	907.258	936.69	1048.7	980.0	877	2457	5.102	(a)	(a)	(a)	266	(a)	(a)	3.08	145	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.266	30.216	33.8	31.6	28.3	79.3	.165	(a)	(a)	(c) E SW	8.6	(a)	(a)	(a)	4.7	(c) St. Cu.	(c) SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of March, 191

Number of Station barometer, 6:56; sum of corrections, -009 inch.

Observations at 8 A. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Observed reading.	Total correction.	Station. (Observed reading plus total cor.) (b)	Reduced to sea-level. (b)	Thermometers. Dry. (b)	Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Min. (b)	Wind. Dir.	Velocity. (b) †	Max. during preceding 12 hours.	Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Kind.	Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	67.0	29.316	-111	29.205	30.16	27.5	25.0	20	70	.103	29.6	12.0	S	8			T	0	0	0	Clear			A.S.B.	1
2	63.0	29.316	-100	29.216	30.16	41.8	34.8	25	48	.130	46.0	26.0	SW	4			0	9	Stcu	SW	Cloudy			P.M.D.	2
3	69.0	29.208	-116	29.092	30.03	48.0	38.4	25	38	.130	53.0	30.0	S	8			0	0	0	0	Clear			A.S.B.	3
4	68.5	28.952	-114	28.838	29.76	47.5	43.0	38	70	.228	64.0	47.5	N	6	25	SW	0	0	0	0	Clear			A.S.B.	4
5	71.0	29.252	-121	29.131	30.09	25.6	24.0	21	80	.108	27.2	23.2	N	8			.01	9	Stcu	N	Cloudy			A.S.B.	5
6	71.0	29.354	-121	29.233	30.19	26.0	23.9	20	74	.103	27.5	19.0	NE	8			T	9	Stcu	NE	Cloudy			A.S.B.	6
7	70.0	29.500	-119	29.381	30.34	32.8	30.3	27	76	.143	37.5	22.6	NE	6			0	0	0	0	Clear			A.S.B.	7
8	69.0	29.090	-115	28.975	29.[illegible]	28.5	28.0	28	94	.150	36.2	24.3	NE	23	29	NE	40	10	Nb	NE	Lt. Snow			A.S.B.	8
9	62.0	29.200	-97	29.103	30.05	34.2	30.3	24	62	.122	36.[illegible]	28.9	W	8			02	0	0	0	Clear			P.M.D.	9
10	68.5	29.2[illegible]	-115	29.161	30.[illegible]1	36.4	34.0	31	79	.172	43.0	28.0	SW	10			T	10	St.	SW	Cloudy			A.S.B.	10
11	72.0	29.568	-125	29.443	30.40	36.0	31.3	24	59	.124	40.0	29.4	W	8			0	0	0	0	Clear			A.S.B.	11
12	68.5	29.395	-115	29.280	30.23	48.0	41.4	34	56	.195	54.2	33.2	SW	9			0	2	a St	W	Pt. Cloudy			A.S.B.	12
13	70.0	29.[illegible]	-[illegible]	29.343	30.29	32.3	29.7	26	74	.136	49.8	32.3	NE	20	27	NE	0	10	St.	NE	Cloudy			A.S.B.	13
14	71.0	29.491	-122	29.369	30.33	34.0	32.0	29	81	.157	35.8	28.0	NE	21	25	NE	T	10	Stcu	E	Cloudy			A.S.B.	14
15	69.0	29.271	-116	29.155	3[illegible].9	55.5	54.5	54	94	.417	58.2	49.4	SE	14			Sf	10	Nb	SE	Lt. Rain			A.S.B.	15
16	68.5	29.216	-114	29.102	30.02	61.0	57.3	55	80	.432	65.0	57.9	S	8	36	SW	53	10	Stcu	SW	Cloudy			P.M.D.	16
17	70.0	28.9[illegible]	-118	28.792	29.[illegible]	41.5	4[illegible].0	40	96	.24[illegible]	60.4	41.5	NW	3	40	SW	[illegible]	10	Nb	W	Lt. Rain			A.C.B.	17
18	75.0	29.504	-133	29.371	30.32	40.0	35.2	28	62	.150	42.2	35.0	W	6			0	0	0.	0	Clear			A.S.B.	18
19	71.0	29.500	-122	29.378	30.33	49.0	41.5	32	52	.180	55.0	36.0	SE	4			0	0	0.	0	Clear			A.S.B.	19
20	69.0	29.564	-117	29.447	30.40	55.2	45.3	34	4[illegible]	19.5	59.6	36.0	E	4			0	0	0	0	Clear			A.S.B.	20
21	72.5	29.764	-127	29.637	30.60	36.0	33.2	29	75	.157	39.3	36.0	NE	15			T	10	St.	NE	Cloudy			P.M.D.	21
22	69.5	29.680	-119	29.561	30.52	42.2	35.2	25	48	.130	45.5	27.7	NE	6			0	1	a St	W	Clear			A.S.B.	22
23	69.0	29.549	-117	29.432	30.38	49.2	40.2	28	43	.150	52.3	30.4	E	4			0	0	0	0	Clear			P.M.D.	23
24	70.0	29.434	-119	29.315	30.26	50.8	41.3	29	43	.157	56.3	37.6	E	6			0	0	0	0	Clear			A.S.B.	24
25	70.0	29.206	-118	29.088	30.02	63.0	51.3	41	44	.256	69.2	35.5	S	6			0	2	St.	SW	Clear			A.S.B.	25
26	70.0	28.948	-118	28.830	29.74	51.8	50.8	50	94	.360	59.8	57.8	SW	5			26	10	St.	SW	Cloudy			A.S.B.	26
27	69.[illegible]	29.365	-116	29.249	30.20	31.0	29.8	28	87	.150	37.0	31.0	NW	13	26	NW	0	1	St.	NW	Clear			A.S.B.	27
28	70.0	29.519	-119	29.399	30.36	39.5	32.0	20	42	.103	42.1	26.0	NW	6			0	3w	St.	NW	Clear			A.S.B.	28
29	70.0	29.452	-119	29.333	30.28	47.7	39.0	27	44	.143	52.0	32.4	E	8			0	9	Stcu.	E	Cloudy			W.A.B.	29
30	64.5	29.340	-104	29.236	30.18	35.7	34.0	31	85	.172	37.0	34.0	N	7			T	10	Stcu	N	Cloudy			P.M.D.	30
31	72.0	29.466	-125	29.341	30.30	31.3	28.8	25	74	.130	36.8	29.0	N	9			0	3w	St	NW	Clear			A.S.B.	31
Sums		(a)	(a)	906.436	935.79	1279.7	1136.5	948	2069	5.532	(a)	(a)	(a)	298	(a)	(a)	2.27	144	(a)	(a)	(a)	0	0	(a)	(a)
Means		(a)	(a)	29.240	30.187	41.3	36.7	30.6	66.7	.178	(a)	(a)	(c) NE	9.6	(a)	(a)	(a)	4.6	(c) SE	(c) SW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian normal time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of March, 1919

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
Saturday 1	30	12	18	13	21				Sd	---	II.N.A.	Sd	7:03a	7:12a	Sd	7:30a	7:45a				.01				0	0.2	T	.01	1
2	46	24	22	14	35																0				0	0	0	0	2
3	53	30	23	7	42																0				0	0	0	0	3
4	64	34	30	7	49																0				0	0	0	0	4
5	34	23	11	21	28				R	12:30a	II.N.A	Sm	II.N.A	II.N.A	Sm	7:05a	10:40a	Sd	9:10p	II.N.P.	.25				0	0.5	0.3	.10	5
6	28	19	9	4	24				Sd	10:40a	12:00m										T				0	T	T	T	6
7	38	22	16	6	30																0				0	0	0	0	7
8	36	24	12	0	30				Sm	3:45p	8:30p	R	8:30p	---							.73				0	4.0	4.0	.50	8
9	37	29	8	3	33				R	---	5:30a	Sm	11:30a	9:45a							.35				0	1.7	2.0	.02	9
10	43	27	16	2	35				R	3:45p	4:30p										T				0	0	1.0	0	10
11	40	28	12	1	34																0				0	0	0.2	0	11
12	54	31	23	8	42																0				0	0	T	0	12
13	50	28	22	3	39				R	10:40p	---										.03				0	0	0	0	13
14	37	27	10	7	32				R	---	II.N.A	Sm	II.N.A	7:20a	R	11:00p	---				.10				0	T	0	T	14
15	58	37	21	16	48				R	---	8:35a	R	12:30p	---							2.43				0	0	0	0	15
16	65	56	9	12	60				R	---	9:30a										.87				0	0	0	0	16
17	60	39	21	10	50				R	II.N.A	8:15a	R	10:55a	1:55p	R	3:25p	3:45p	R	5:20p	---	.26				0	0	0	0	17
18	42	35	7	12	38				R	---	6:30a										.04				0	0	0	0	18
19	55	33	22	6	44																0				0	0	0	0	19
20	60	34	26	3	47																0				0	0	0	0	20
21	47	28	19	9	38				R	1:55p	1:58p										T				0	0	0	0	21
22	46	25	21	2	36																0				0	0	0	0	22
23	52	28	24	4	40																0				0	0	0	0	23
24	56	35	21	6	46																0				0	0	0	0	24
25	69	34	35	6	52																0				0	0	0	0	25
26	60	39	21	21	50				R	9:50a	10:25a	R	11:25a	4:40p	R	6:55p	II.N.P.				.28				0	0	0	0	26
27	39	27	12	17	33																0				0	0	0	0	27
28	42	25	17	1	34																0				0	0	0	0	28
29	52	30	22	7	41																0				0	0	0	0	29
30	42	31	11	5	36				R	1:05a	II.N.A	R	7:50a	8:10a	Sm	7:12p	II.N.P.				.04				0	0	0	T	30
31	37	26	11	4	32																0				0	T	0	0	31
S	1472	920	552	218	1199		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	5.34		Total excess or deficiency since January 1,		0	6.4	(a)	(a)	(a)
M	47.5	29.7	17.8	7.0	38.7	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

Estimated

SUMMARY FOR THE MONTH OF March, 1919

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian normal time. All other data are in the standard of normal time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean .005)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.266	29.240	29.253	29.676	22	28.530	9	1.146	30.216	30.187	30.202	30.65	22	29.46	9	1.19
Corrected mean		29.248						Corrected mean		30.197	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
33.8	41.3	37.6	31.6	36.7	34.2	47.5	29.7	38.6				69	25	12	1	57	35	25	7	18

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
28.3	30.6	29.4	79.3	66.7	73.0	.165	.178	.172	2	0	21	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
7704	10.4	NE	40	SW	17	7	12	10	3	8	10	5	7	0

WEATHER.

Mean cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
4.7	4.6	5.3	69	11	10	10	0	4	8

MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	17	17	0	0	0	0	0	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
5.34	2.43	$ 15	0			0			3	12	10	7	1	15	7	4	6.4	0

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

$ From 12 midnight to 12 midnight.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
			Self-registering rain gage not employed during the month.																	

* The duration is the time precipitation was actually recorded.

8—154

Prepared by W. S. B., P. M. Donovan, Meteorologist, Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of March, 191[illegible].

Number of Station barometer, 656; sum of corrections, -009 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer. normal time.	Time. Local (standard) normal time.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
7	12:00 m	11:00 am	70.0	28.970	-.18	28.852	29.76	59.2	54.7	51	8	75	59.4	8	10			.02	10	Nb	SW	Lt Rain	Ordered [illegible]	[illegible]	7
9	4:00 AM	3:00 AM				28.530	29.46	33.0																	9

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ....., *for the Month of* ....., *191*

Wind—Number of Miles and Length of Time From. (*Standard of normal time in local use,* ..... *meridian.*)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
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28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																				
AVG. HOURLY VELOCITY		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*

8—154

Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of April, *1919*

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -017; date and observation upon which use of station barometer commenced, May 20, 1911, 7 a. m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor. Berry & Calhoun, street, room 911-912; first observation taken in present office, 7a m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of April, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 P. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 A.M. P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	67.0	29.467	-.111	29.356	30.33	21.5	20.0	16	78	.085	31.3	19.0	NW	15			0	2	Cu	NW	Clear		H.S.B.	1
2	66.0	29.392	-.109	29.283	30.24	28.5	26.2	22	74	.113	32.4	24.6	W	4			0	0	0	0	Clear		H.S.B.	2
3	69.0	29.283	-.116	29.167	30.10	43.0	39.8	36	76	.211	48.0	41.1	SW	6			T	10	Nb	SW	Lt. Rain		H.S.B.	3
4	69.0	29.156	-.116	29.040	29.98	46.8	45.0	43	87	.277	47.2	44.0	NW	3			0	10	St	NW	Cloudy		H.S.B.	4
5	68.5	29.168	-.114	29.054	29.98	46.7	43.0	39	74	.237	49.6	41.7	S	8			0	3	a St.	W	Clear		H.S.B.	5
6	68.0	28.974	-.112	28.862	29.78	56.0	49.4	44	63	.287	61.5	54.0	SW	14			T	5 1	a St St.	W SW	Pt. Cloudy		H.S.B.	6
7	69.0	29.036	-.115	28.921	29.83	61.7	54.4	49	63	.347	70.2	56.8	S	12			0	3 2	a. St. Cu St.	W S	Clear		H.S.B.	7
8	71.0	29.200	-.121	29.079	30.00	55.0	50.8	48	75	.334	71.0	51.1	SE	3			0	3 4	St. Cu St.	S SE	Pt. Cloudy		H.S.B.	8
9	71.0	29.350	-.121	29.229	30.15	51.6	46.7	42	70	.266	68.0	49.6	E	12			.01	8	St. Cu	SW.	Cloudy		H.S.B.	9
10	72.0	28.894	-.123	28.771	29.67	63.2	60.0	58	83	.482	67.0	57.1	S	22			.04	10	St. Cu	SW	Cloudy		H.S.B.	10
11	70.0	28.856	-.117	28.739	29.66	43.0	39.8	36	76	.211	50.4	41.7	SW	21	25	SW	0	9	St. Cu.	SW.	Cloudy		H.S.B.	11
12	65.5	29.120	-.106	29.014	29.95	43.2	41.2	39	85	.237	43.2	41.5	SW	10			0	10	St. Cu	SW	Cloudy		H.S.B.	12
13	65.0	29.390	-.106	29.284	30.22	40.1	38.5	37	87	.219	46.3	38.2	W	7			T	9	St.	W	Cloudy		H.S.B.	13
14	65.0	29.276	-.105	29.171	30.10	47.8	46.5	45	91	.298	57.6	47.8	E	2			.18	10	Nb	E	Lt. Rain		H.S.B.	14
15	66.5	28.974	-.108	28.866	29.80	41.2	39.0	36	83	.211	45.5	39.8	E	20	26	E	.08	5 2 3	a St. Cu St.	W NE NE	Cloudy		H.S.B.	15
16	66.0	28.710	-.106	28.604	29.52	40.4	39.0	38	89	.228	42.0	39.8	NW	6			.53	10	Nb	W	Lt. Rain		H.S.B.	16
17	62.5	28.900	-.098	28.802	29.74	36.2	35.0	33	89	.187	38.2	34.8	SW	13	25	SW	.04	10	Nb	SW	Lt. Rain		H.S.B.	17
18	64.0	29.420	-.103	29.317	30.27	38.8	36.0	32	77	.180	39.0	33.2	NW	8			0	0	0	0	Clear		H.S.B.	18
19	65.0	29.486	-.106	29.380	30.32	46.6	41.1	35	63	.203	52.2	41.9	S	10			0	1 2	Cu. St a. St.	W W	Clear		H.S.B.	19
20	66.5	29.202	-.109	29.093	30.01	55.6	49.1	43	63	.277	59.5	53.0	SW	10			T	9	St. Cu	SW	Cloudy		H.S.B.	20
21	67.0	29.534	-.111	29.423	30.36	44.6	39.0	31	60	.172	58.7	41.1	NE	9			0	2	a. St.	W	Clear		H.S.B.	21
22	68.5	29.374	-.115	29.259	30.20	43.1	38.6	33	67	.187	56.0	38.1	E	8			0	4 2	a St St.	W E	Pt. Cloudy		H.S.B.	22
23	68.0	29.216	-.113	29.103	30.03	50.0	46.6	43	78	.277	60.0	45.1	E	4			0	6 2	a St St.	W E	Cloudy		H.S.B.	23
24	67.0	29.404	-.111	29.293	30.23	35.3	32.0	27	70	.143	60.0	33.8	NW	20	29	NW	0	5	Cu	NW	Pt. Cloudy		H.S.B.	24
25	64.5	29.548	-.105	29.413	30.37	29.8	27.3	23	73	.118	33.0	25.8	N	12			0	1	Cu	N	Clear		H.S.B.	25
26	66.5	29.367	-.109	29.258	30.21	35.7	32.2	27	69	.143	35.7	30.8	NW	15			0	0	0	0	Clear		H.S.B.	26
27	69.5	29.322	-.117	29.205	30.13	40.8	35.0	27	55	.143	47.8	31.2	SW	8			0	2 2	a Cu a St	W W	Pt. Cloudy		H.S.B.	27
28	66.0	29.182	-.108	29.074	30.00	47.8	46.2	45	89	.298	52.0	45.5	W	6			.10	10	St.	W	Cloudy		H.S.B.	28
29	68.0	29.374	-.113	29.261	30.20	42.0	38.8	35	75	.203	53.2	38.8	NE	4			0	4 1	a St St.	NW NE	Pt. Cloudy		H.S.B.	29
30	68.0	29.105	-.112	28.993	29.93	48.4	39.0	34	68	.195	47.5	43.0	E	11			0	3 6	a Cu a St St.	W W E	Cloudy		H.S.B.	30
31																								31
Sums		(a)	(a)	873.314	901.31	1319.4	1215.2	1096	2250	6.769	(a)	(a)	(a)	314	(a)	(a)	0.98	190	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.110	30.044	44.0	40.5	36.5	75.0	.226	(a)	(a)	(c) SW	10.5	(a)	(a)	(a)	6.3	(c) 0.56 St.	(c) W	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of April, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 A. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 ~~A. M.~~ P.M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	72.5	29.391	-.126	29.265	30.22	32.4	30.4	27	79	.143	39.0	21.5	NW	12			0	Few	St.	NW	Clear			PMCD.	1
2	71.0	29.350	-.121	29.229	30.17	48.0	40.0	30	48	.164	51.6	28.5	SW	4			0	2 2	St Cu St.	SW SW	Pt. Cloudy			PMCD.	2
3	68.0	29.159	-.113	29.046	29.99	47.2	46.1	45	92	.298	47.2	43.0	SW	8			.07	10	St Cu	SW	Cloudy			PMCD	3
4	70.5	29.146	-.120	29.026	29.96	49.6	44.8	40	69	.247	56.2	46.8	NW	6			0	Few	St.	O	Clear			PMCD.	4
5	71.5	29.000	-.121	28.879	29.80	61.5	51.5	42	50	.266	66.4	46.7	S	9			0	2 2	a St St.	W S	Pt. Cloudy			PMCD.	5
6	70.0	28.938	-.118	28.820	29.72	70.2	59.2	51	52	.373	74.0	56.0	S	6			0	3 3	a St. St. Cu	W SW	Pt. Cloudy			A.S.B.	6
7	74.0	29.084	-.128	28.956	29.87	71.0	57.0	46	41	.310	77.4	61.7	S	7			0	4 1	a St. St.	W S	Pt. Cloudy			PMCD.	7
8	74.0	29.310	-.129	29.181	30.10	68.0	53.0	39	35	.237	75.6	55.0	W	5			0	8 1	Cu. St. St.	W W	Pt Cloudy			PMCD	8
9	73.0	29.068	-.125	28.943	29.86	65.8	61.3	59	78	.499	80.0	51.6	S	12	36	S.W	.27	10	St. Cu	S.W.	Cloudy			PMCD.	9
10	71.0	28.832	-.119	28.713	29.62	50.4	45.2	40	67	.247	66.8	50.4	W	19	36	SW	.21	4	St. Cu	W	Pt. Cloudy			PMCD.	10
11	67.0	28.996	-.110	28.886	29.82	42.3	40.0	37	88	.219	43.8	41.4	SW	10			T	10	St.	SW	Cloudy			PMCD	11
12	65.0	29.240	-.105	29.135	30.08	46.3	42.3	38	72	.228	48.0	43.2	W	7			0	7 3	St Cu St.	W W	Cloudy			PMCD.	12
13	65.0	29.314	-.105	29.209	30.14	57.6	48.1	39	49	.237	61.1	40.1	NW	3			0	6 2	a St. St. Cu	NW NW	Cloudy			A.S.B.	13
14	69.5	29.144	-.117	29.027	29.97	45.5	43.5	42	86	.266	48.3	45.0	E	18			.18	10	Nb	E	Lt. Rain			PMCD.	14
15	66.5	28.858	-.108	28.750	29.65	42.0	41.0	40	92	.247	46.2	39.0	NE	14	28	NE	.37	10	Nb	NE	Lt. Rain			PMCD	15
16	65.5	28.892	-.106	28.786	29.72	38.2	37.0	35	90	.203	49.0	38.2	SW	15	31	SW	.05	10	Nb	SW	Lt. Rain			PMCD	16
17	66.5	29.132	-.109	29.023	29.96	39.0	37.0	34	84	.195	42.6	35.9	NW	19	28	W	.02	10	St. Cu	NW	Cloudy			PMCD	17
18	68.5	29.480	-.115	29.365	30.31	52.2	43.8	34	50	.195	56.0	38.8	W	5			0	2	St	W	Clear			PMCD.	18
19	68.5	29.318	-.115	29.203	30.13	59.5	51.0	44	56	.287	65.5	46.6	S	12			0	2	St.	S	Clear			PMCD.	19
20	71.0	29.346	-.121	29.225	30.15	58.7	54.0	50	74	.360	64.0	55.0	NE	3			.05	Few 1	a St Cu St	W NE	Clear			A.S.B.	20
21	71.5	29.462	-.123	29.339	30.28	56.0	48.0	40	55	.247	60.0	44.6	E	8			0	1	St.	NE E	Clear			PMCD.	21
22	71.5	29.817	-.122	29.195	30.13	60.0	51.0	43	53	.277	68.4	43.1	NE	7			0	0	0	0	Clear			PMCD.	22
23	70.0	29.125	-.118	29.007	29.94	60.0	56.2	53	79	.402	64.2	50.0	NW	16	25	NW	.06	10	St. Cu	NW	Cloudy			PMCD.	23
24	72.5	29.564	-.126	29.438	30.40	33.0	29.0	22	61	.113	37.0	32.6	NW	16	31	NW	0	1	St.	NW	Clear			PMCD.	24
25	73.5	29.408	-.129	29.279	30.24	34.4	30.0	23	59	.118	42.3	29.8	NW	13	26	NW	0	0	0	0	Clear			PMCD.	25
26	77.5	29.372	-.138	29.234	30.17	47.8	38.8	27	42	.143	54.0	35.7	W	9			0	Few	St	W	Clear			PMCD.	26
27	67.0	29.178	-.110	29.068	30.01	52.0	44.3	36	54	.211	58.4	40.8	SW	13			T	10	Nb	SW	Lt. Rain			A.S.B.	27
28	69.5	29.294	-.117	29.177	30.11	58.2	49.2	45	75	.298	55.5	47.8	NE	7			T	10	St. Cu	N	Cloudy			PMCD.	28
29	69.5	29.260	-.117	29.143	30.08	47.5	41.0	33	57	.187	54.8	42.0	NE	15			0	9	St Cu	SW	Cloudy			PMCD	29
30	69.0	28.981	-.115	28.866	29.80	52.3	48.4	44	76	.287	53.0	43.4	E	8			T	10	St.	E	Cloudy			PMCD.	30
31																									31
Sums		(a)	(a)	872.13	900.43	1541.6	1362.1	1178	1958	7504	(a)	(a)	(a)	309	(a)	(a)	1.31	172	(a)	(a)	(a)	0	0	(a)	(a)
Means		(a)	(a)	29.080	30.014	51.4	45.4	39.3	65.3	.250	(a)	(a)	(c) NW	10.3	(a)	(a)	(a)	5.7	(c) St.	(c) W	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian normal time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of April, 1919

Date.	Temperature: Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation: Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
Tuesday 1	39	19	20	3	29																0				0	0	0	0	1
2	52	25	27	9	38																0				0	0	0	0	2
3	47	41	6	6	44				R	5:25a	9:50a	R	10:55a	12:05p	R	12:25p	1:10p	R	4:10p	6:20p	.07				0	0	0	0	3
4	55	44	11	6	50																0				0	0	0	0	4
5	66	42	24	4	54																0				0	0	0	0	5
6	74	54	20	10	64				R	4:30a	5:10a										T				0	0	0	0	6
7	77	55	22	2	66																0				0	0	0	0	7
8	76	51	25	2	64																0				0	0	0	0	8
9	80	50	30	1	65				R	5:40a	6:25a	R	5:23p	6:10p							.28				0	0	0	0	9
10	67	43	24	10	55				R	H.N.A	6:10a	R	12:10p	12:15p	R	1:20p	1:50p				.25				0	0	0	0	10
11	44	41	3	13	42				R	12:40p	12:50p	R	3:25p	5:20p	R	6:07p	6:15p				T				T	T	T		11
12	48	42	6	3	45				R	10:50p	H.N.P.										T				0	0	0	0	12
13	61	38	23	5	50																0				0	0	0	0	13
14	54	43	11	2	48				R	H.N.A	4:05p	R	6:35p	7:10p	R	9:20p	H.N.P.				.44				0	0	0	0	14
15	46	39	7	6	42				R	9:08a	12:15p	R	5:16p	H.N.P.							.62				0	0	0	0	15
16	49	36	13	0	42				R	H.N.A	7:45a	R	9:55	11:10a	R	1:00p	2:45p	R	4:35p	H.N.P.	.33				0	0	0	0	16
17	43	35	8	3	39				R	H.N.A	5:40a	R	6:08a	12:10p	R	12:35p	1:10p	H R	1:24p 1:31p	1:31p 6:10p	.06				T	0	0	0	17
18	56	33	23	5	44																0				0	0	0	0	18
19	66	42	24	10	54																0				0	0	0	0	19
20	64	49	15	2	56				R	4:10a	6:10a	R	10:55a	11:50a							.08				0	0	0	0	20
21	60	41	19	6	50																0				0	0	0	0	21
22	68	38	30	3	53																0				0	0	0	0	22
23	64	45	19	1	54				R	8:50a	9:45a	R	11:45a	11:55a	R	12:42p	1:20p	R	1:48p	3:10p	.06				0	0	0	0	23
24	47	29	18	16	38																0				0	0	0	0	24
25	42	26	16	4	34																0				0	0	0	0	25
26	54	31	23	8	42																0				0	0	0	0	26
27	58	31	27	2	44				R	4:20p	---										T				0	0	0	0	27
28	56	46	10	7	51				R	---	4:45a	R	6:10a	6:55a	R	10:20a	10:30a				.10				0	0	0	0	28
29	55	39	16	4	47																0				0	0	0	0	29
30	53	43	10	1	48				R	12:50p	1:55p	R	4:55p	6:10p	R	10:00p	---				.25				0	0	0	0	30
31																													31
S	1721	1191	530	154	1452		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.54		Total excess or deficiency since January 1,		T	0	(a)	(a)	(a)
M	57.4	39.7	17.7	5.1	48.4	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

Estimated

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SUMMARY FOR THE MONTH OF April, 1919

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian normal time. All other data are in the standard of normal time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.001)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.110	29.080	29.095	29.438	24	28.580	10	0.858	30.044	30.014	30.029	30.40	24	29.49	10	0.91
Corrected mean		29.090						Corrected mean		30.024	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
44.0	51.4	47.7	40.5	45.4	43.0	57.4	39.7	48.6				80	9	19	1	61	30	9	3	11

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
36.5	39.3	37.9	75.0	65.3	70.2	2.26	2.50	2.38	0	0	6	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
7841	10.9	SW	36	SW	9	1	7	9	1	9	12	8	13	0

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
6.3	5.7	6.0	55	6	11	13	0	1	10

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts.⊗ Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
0	18,	24, 25, 26, 27	9, 15, 20, 23,	0	8	0	0	0	0	0	0	0	—	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.54	1.00	30–May 1 ϕ	0			0			4	11	11	6	0	15	0	0	0	0

(w) Maximum precipitation in 5 minutes .20, date 9th; 10 minutes .22, date 9th; 15 minutes .23, date 9th; 30 minutes .27, date 9th; 1 hour .27, date 9th; 2 hours .36 date 15th.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Record defective, but the values recorded are believed to be the greatest for the periods indicated.

ϕ From 10 p.m. April 30th to 6.36 p.m. May 1.

⊗ Not recorded prior to 16th.

* The duration is the time precipitation was actually recorded. Tipping bucket raingage exposed on roof from 1:30 p.m. of 2d.

Prepared by O.S.B.

P. McDonough R. Meteorologist, Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of April, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer. normal time.	Time. Local (standard) normal time.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
10"	2:00 P.M.	1:00 P.M.	72.0	28.725	-122	28.603	29.50	66.0	61.0	58	8	76	66.8	S	28	35	S	T	10	St. Cu.	SW	Cloudy	Ordered C.O.	P.M.D.	10"
16"	12:00 m	11:00 a.m.	66.5	28.740	-107	28.633	29.55	45.4	44.0	43	2	90	45.4	SW	12			.10	10	Nb	SW	Lt. Rain	Ordered C.O.	H.S.B.	16"
23"	12:00 m	11:00 a.m.	68.0	29.132	-113	29.019	29.95	56.8	54.3	53	4	85	56.8	SE	6			.04	10	St. Cu	SE	Cloudy	Ordered C.O.	H.S.B.	23
10"	5:10 pm	4:10 pm				28.580	29.49	59.0																	

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ....., for the Month of ....., 191

Wind—Number of Miles and Length of Time From. (Standard of normal time in local use, ... meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
3																				
4																				
5																				
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28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																				
AVG. HOURLY VELOCITY		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*

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Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of May, *1919*

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 67V; sum of corrections, .017; date and observation upon which use of station barometer commenced, May 20, 1911, 7 a.m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor. Berry & Calhoun street, rooms 911-912; first observation taken in present office, 7 a. m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of May, 1919.

Number of Station barometer, 676; sum of corrections, -.009 inch.

Observations at 8 P. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer: Attached thermometer.	Barometer: Observed reading.	Barometer: Total correction.	Barometer: Station. (Observed reading plus total cor.) (b)	Barometer: Reduced to sea-level. (b)	Thermometers: Dry. (b)	Thermometers: Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's.: Max. (b)	Self-reg. ther's.: Min. (b)	Wind: Dir.	Wind: Velocity. (b) †	Wind: Max. during preceding 12 hours.	Wind: Dir.	Precipitation: Amt. at 8 a. m. (b) ††	Clouds: Amt.	Clouds: Kind.	Clouds: Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	66.0	28.710	-.106	28.604	29.51	53.0	51.3	50	90	.360	56.0	49.0	SW	18			.92	10	St.	W	Cloudy		PMCD.	1
2	63.0	29.120	-.099	29.021	29.96	45.7	41.2	36	69	.211	45.7	41.8	W	18			T	0	0	0	Clear		P.M.C.D.	2
3	67.5	29.244	-.112	29.132	30.06	46.0	44.0	42	86	.266	58.5	45.0	E	15			.26	10	Nb	E	Lt. Rain		PMCD	3
4	67.0	29.046	-.110	28.936	29.86	55.0	54.0	53	94	.402	66.0	50.0	SE	5			0	6 4	a St. St Cu	W SW	Cloudy		PMCD	4
5	68.0	29.334	-.113	29.221	30.14	50.0	48.0	46	87	.310	71.6	50.0	N	8			.69	8 2	St Cu St.	N N	Cloudy		PMCD.	5
6	66.5	29.432	-.110	29.322	30.26	44.0	44.4	39	81	.237	49.0	39.0	E	12			0	5 1	Ci. St St.	W E	Pt. Cloudy		PMCD.	6
7	70.0	29.140	-.118	29.022	29.94	61.3	59.0	58	87	.482	65.8	58.8	W	9			0	10	St. Cu	W	Cloudy		PMCD.	7
8	72.0	29.350	-.124	29.226	30.16	47.2	44.7	42	83	.266	57.3	46.8	NE	11			0	10	St. Cu	NE	Cloudy		PMCD.	8
9	69.0	29.330	-.116	29.214	30.14	46.0	42.7	39	77	.237	46.0	44.0	NE	16			.04	8	St. Cu	NE	Cloudy		PMCD	9
10	66.0	29.214	-.108	29.106	30.04	49.0	47.0	45	87	.298	51.0	47.8	N	11			0	10	St.	N	Cloudy		PMCD.	10
11	69.5	29.340	-.117	29.223	30.15	45.4	40.4	34	65	.195	51.5	44.8	N	9			0	9	St Cu	N	Cloudy		PMCD	11
12	70.0	29.374	-.119	29.255	30.19	43.3	40.2	36	77	.211	55.3	39.6	NE	8			0	5	Cu	E	Pt. Cloudy		PMCD	12
13	70.5	29.345	-.120	29.225	30.15	45.3	41.8	38	75	.228	51.0	38.8	E	10			0	0	0	0	Clear		PMCD	13
14	71.0	29.146	-.121	29.025	29.95	53.5	46.5	40	58	.247	60.8	50.4	NE	6			0	2 4	Ci. St Cu	SW NE	Pt. Cloudy		PMCD	14
15	72.0	29.106	-.123	28.983	29.91	51.0	48.2	45	82	.298	59.0	46.0	W	5	25	NW	0	0 5	0 Cu	0 S	Clear		PMCD.	15
16	71.5	28.890	-.121	28.769	29.68	57.0	56.0	55	94	.432	67.0	53.2	S	10			.60	3	St	S	Cloudy		PMCD.	16
17	68.0	29.013	-.112	28.901	29.82	49.0	46.1	43	81	.277	59.2	47.6	W	20			0	9	St. Cu	NW	Cloudy		PMCD	17
18	66.0	29.258	-.108	29.150	30.08	50.0	41.3	30	46	.164	55.0	41.0	SW	7			0	few	St	W	Clear		PMCD	18
19	68.0	29.050	-.112	28.938	29.86	58.0	49.0	40	52	.247	64.4	52.9	SE	2			0	6	a St.	W	Pt. Cloudy		PMCD	19
20	68.0	28.776	-.112	28.664	29.58	47.2	46.2	45	93	.298	52.8	46.9	N	9	25	NE	.37	10	Nb	NE	Lt. Rain		PMCD.	20
21	65.0	28.800	-.104	28.696	29.62	46.0	44.4	43	88	.277	46.0	44.0	SW	7			0	10	St. Cu	SW	Cloudy		PMCD.	21
22	65.0	28.892	-.104	28.788	29.71	47.0	45.0	43	86	.277	50.0	42.7	E	5			0	10	St Cu	S	Cloudy		PMCD.	22
23	67.5	28.912	-.111	28.801	29.72	50.3	48.3	46	87	.310	50.8	47.6	W	2			.05	10	St Cu	NW	Cloudy		PMCD	23
24	67.5	29.050	-.111	28.939	29.86	52.7	51.0	49	90	.347	54.9	50.4	E	4			0	10	St.	SE	Cloudy		PMCD	24
25	70.0	29.262	-.119	29.143	30.06	59.6	55.1	52	76	.387	65.4	52.2	S	3			0	1	a St	W	Clear		PMCD	25
26	71.5	29.306	-.122	29.184	30.10	60.4	55.0	51	71	.373	70.0	53.0	NE	3			0	2	a St	W	Clear		PMCD.	26
27	74.0	29.262	-.129	29.133	30.04	63.7	59.7	58	79	.482	73.0	56.6	NE	5			0	1	a St.	NW	Clear		PMCD	27
28	76.5	29.328	-.136	29.192	30.11	59.4	54.3	50	72	.360	76.5	54.2	NE	10			0	0	0	0	Clear		PMCD	28
29	75.0	29.350	-.132	29.218	30.14	61.0	54.0	49	64	.347	68.7	55.0	NE	8			0	0	0	0	Clear		PMCD.	29
30	77.0	29.304	-.137	29.167	30.09	66.0	58.8	54	65	.417	78.5	59.0	E	5			0	0	0	0	Clear		PMCD	30
31	78.5	29.196	-.141	29.055	29.97	68.4	62.8	59	74	.499	82.0	63.3	E	4			0	few	a St Haze	NW —	Clear		PMCD.	31
Sums		(a)	(a)	900.253	928.86	1631.4	1517.4	1410	2416	9.742	(a)	(a)	(a)	263	(a)	(a)	2.93	182	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.040	29.963	52.6	48.9	45.5	77.9	.314	(a)	(a)	(c) NE	8.5	(a)	(a)	(a)	5.9	(c) St. Cu	(c) W	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of May, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 A. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 A. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	64.0	28.886	-.102	28.784	29.70	43.0	41.5	40	88	.247	55.2	43.0	SW	23	27	SW	.08	10	Nb	W	Lt. rain			W.S.B.	1
2	68.0	29.256	-.113	29.143	30.07	58.5	46.7	34	39	.195	62.0	45.7	W	5	27	W	0	5 3 2	a St. St. Cu Pt.	W W W	Cloudy			C. M. S.	2
3	67.5	29.055	-.111	28.944	29.87	66.0	60.8	58	75	.482	70.0	46.0	SW	11	34	S	.11	1 7	a St St Cu	W SW	Cloudy			A.S.B.	3
4	68.0	28.975	-.112	28.863	29.78	65.2	62.2	60	85	.517	74.0	55.0	NW	8	26	SW	.33	10	Nb	SW	Lt. Rain Fr			P.M.D.	4
5	68.0	29.435	-.114	29.321	30.26	49.0	44.6	40	72	.247	55.0	49.0	NE	10			0	10	St Cu	NE	Cloudy			A.S.B.	5
6	69.5	29.144	-.117	29.027	29.96	65.8	61.0	58	77	.482	69.4	44.0	E	6			0	2 2	a St St.	W E	Pt. Cloudy			A.S.B.	6
7	72.0	29.274	-.124	29.150	30.07	57.3	49.8	43	59	.277	65.2	56.1	NW	8			T	3 few 3	Ci. St a St	NW NW	Pt. Cloudy			A.S.B.	7
8	70.0	29.308	-.119	29.189	30.12	45.0	44.2	43	94	.277	47.8	45.0	NE	N			.24	10	Nb	NE	Lt. Rain			A.S.B.	8
9	69.0	29.254	-.116	29.138	30.07	51.0	46.0	41	69	.256	53.5	46.0	NE	16	32	NE	T	10	St Cu	NE	Cloudy			A.S.B.	9
10	73.0	29.270	-.126	29.144	30.07	51.5	48.0	44	78	.287	54.2	49.0	N	8			0	10	St Cu	N	Cloudy			A.S.B.	10
11	72.5	29.322	-.125	29.197	30.13	55.3	47.4	40	55	.247	57.0	45.4	N	3			0	8	St Cu	NE	Cloudy			P.M.D.	11
12	73.5	29.336	-.128	29.208	30.14	51.0	46.2	41	70	.256	53.8	43.3	E	8			0	2 2	a St St Cu	W NE	Pt. Cloudy			A.S.B.	12
13	73.0	29.210	-.126	29.084	30.01	60.8	51.3	43	52	.277	65.0	45.3	NE	6			0	2 1	Ci. St a St.	W W	Clear			A.S.B.	13
14	72.5	29.052	-.124	28.928	29.85	59.0	53.5	49	70	.347	70.0	53.5	N	4			.01	2 2 3	a Cu a St St	W W NW	Pt. Cloudy			A.S.B.	14
15	72.5	28.982	-.124	28.858	29.78	67.0	54.4	44	44	.287	73.7	51.0	S	6			0	1 2 2	a Cu a St St	W W SW	Pt. Cloudy			A.S.B.	15
16	71.5	28.890	-.121	28.769	29.68	59.2	50.0	41	52	.256	63.7	55.7	W	12			.65	2 3	a St Cu	W W	Pt. Cloudy			A.S.B.	16
17	70.5	29.182	-.120	29.062	29.99	55.0	43.0	28	34	.150	60.0	49.0	NW	9	29	NW	0	0	0	0	Clear			A.S.B.	17
18	70.0	29.120	-.118	29.002	29.93	64.4	50.0	35	34	.203	68.4	50.0	NW	4			0	3 2	a St St	W NW	Pt. Cloudy			P.M.D.	18
19	68.5	28.908	-.114	28.794	29.70	52.8	50.0	47	83	.322	66.8	52.0	N	8			.10	10	Nb	N	Lt. Rain			A.S.B.	19
20	67.0	28.805	-.109	28.696	29.62	45.9	43.4	41	82	.256	48.4	45.9	NW	14			.09	10	St Cu	NW	Cloudy			A.S.B.	20
21	61.0	28.882	-.107	28.775	29.70	50.0	46.6	43	78	.277	51.8	46.0	S	4			T	10	St Cu	S	Cloudy			A.S.B.	21
22	67.0	28.854	-.109	28.745	29.66	50.8	49.3	48	90	.334	59.8	47.0	NE	10			.48	10	Nb	S	Lt. Rain			A.S.B.	22
23	67.0	28.968	-.110	28.858	29.78	54.9	51.8	50	81	.360	62.6	50.3	SW	7			T	6 3	a St St Cu	W SW	Cloudy			A.S.B.	23
24	72.0	29.129	-.124	29.005	29.92	65.4	55.4	47	53	.322	68.8	52.7	NE	4			0	Few 6	a St a St	W NW	Clear			A.S.B.	24
25	73.0	29.230	-.127	29.103	30.02	70.0	58.0	49	48	.347	76.0	59.6	E	3			0	1	St Cu	NE	Pt. Cloudy			P.M.D.	25
26	75.0	29.223	-.132	29.091	30.01	73.0	62.0	55	54	.432	77.5	60.4	E	4			0	1	Ci. St	NW	Clear			A.S.B.	26
27	78.5	29.207	-.141	29.066	29.98	76.5	65.0	58	54	.482	81.4	63.7	E	8			0	few 2	Ci. St a St	W W	Clear			A.S.B.	27
28	77.0	29.302	-.137	29.165	30.08	68.7	55.5	45	43	.298	76.5	59.4	E	10			0	1	a St	NW	Clear			A.S.B.	28
29	77.5	29.250	-.138	29.112	30.02	78.5	64.5	56	46	.448	85.5	61.0	E	9			0	0 0	0 0	0 0	Clear			A.S.B.	29
30	81.0	29.165	-.147	29.018	29.92	82.0	69.0	63	52	.575	90.0	66.0	E	5			0	Lt.	Haze	—	Clear			P.M.D.	30
31	84.0	29.086	-.155	28.931	29.83	85.5	66.0	54	35	.417	92.4	68.4	S	6			0	1 4	Ci. St a St	W W	Pt. Cloudy			A.S.B.	31
Sums		(a)	(a)	899.170	927.72	1878.0	1637.1	1438	1946	10.160	(a)	(a)	(a)	254	(a)	(a)	2.09	188	(a)	(a)	(a)	0	0	(a)	(a)
Means		(a)	(a)	29.005	29.926	60.6	52.8	46.4	62.8	.328	(a)	(a)	(c) E	8.2	(a)	(a)	(a)	6.1	(c) a. St	(c) W	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian normal time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of May, 1919

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
THURSDAY 1	56	42	14	1	49				R	---	5:39a	R	1:28p	1:40p	R	3:02p	8:45p				.75				0	0	0	0	1
2	62	44	18	4	53																0				0	0	0	0	2
3	70	45	25	5	58				R	2:30a	7:45a	R	10:50a	11:20a	R	1:50p	6:10p				.37				0	0	0	0	3
4	74	50	24	4	62				R	7:30a	9:45a	R	10:43a	11:50a	R	2:30p	D.N.P.				1.02				0	0	0	0	4
5	60	44	16	10	52																0				0	0	0	0	5
6	69	39	30	2	54																0				0	0	0	0	6
7	65	51	14	4	58				R	6:55a	7:05a										T				0	0	0	0	7
8	51	44	7	10	48				R	10:00a	D.N.P.										.28				0	0	0	0	8
9	54	45	9	2	50				R	3:30p	3:40p										T				0	0	0	0	9
10	54	48	6	1	51																0				0	0	0	0	10
11	57	45	12	0	51																0				0	0	0	0	11
12	54	40	14	4	47																0				0	0	0	0	12
13	65	39	26	5	52																0				0	0	0	0	13
14	70	50	20	8	60				R	4:05p	6:05p										.01				0	0	0	0	14
15	74	46	28	0	60																0				0	0	0	0	15
16	64	49	15	4	56				R	D.N.A	5:35a	R	7:12a	8:35a	R	9:50a	11:20a	R	12:15p	2:30p	1.25				0	0	0	0	16
17	60	47	13	2	54																0				0	0	0	0	17
18	68	41	27	0	54																0				0	0	0	0	18
19	67	50	17	4	58				R	3:00p	5:35p	R	6:30p	---							.30				0	0	0	0	19
20	50	44	6	11	47				R	---	12:05p	R	12:40p	4:10p							.26				0	0	0	0	20
21	52	44	8	1	48				R	10:25a	10:40a	R	3:20p	3:25p							T				0	0	0	0	21
22	60	43	17	4	52				R	12:02p	1:55p	R	3:10p	3:25p	R	6:30p	D.N.P.				.53				0	0	0	0	22
23	63	48	15	4	56				R	5:15a	5:20a	R	12:30p	12:40p							T				0	0	0	0	23
24	69	50	19	4	60																0				0	0	0	0	24
25	76	52	24	4	64																0				0	0	0	0	25
26	78	53	25	2	66																0				0	0	0	0	26
27	81	57	24	3	69																0				0	0	0	0	27
28	76	54	22	4	65																0				0	0	0	0	28
29	86	55	31	5	70																0				0	0	0	0	29
30	90	59	31	4	74																0				0	0	0	0	30
31	92	63	29	4	78																0				0	0	0	0	31
S	2067	1481	586	120	1776		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	4.77		Total excess or deficiency since January 1,		0	0	(a)	(a)	(a)
M	66.7	47.8	18.9	3.9	57.3	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

SUMMARY FOR THE MONTH OF May, 1919

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian normal time. All other data are in the standard of normal time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean .005)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.040	29.005	29.022	29.370	5	28.570	1	0.800	29.963	29.926	29.944	30.32	5	29.48	1	0.84
Corrected mean 29.017								Corrected mean 29.939			3,500-ft.			10,000-ft.	

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
52.6	60.6	56.6	48.9	52.8	50.8	66.7	47.8	57.2				92	31	39	13	53	31	30	6	20

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
45.5	46.4	46.0	77.9	62.8	70.4	3.14	3.28	3.21	0	2	0	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6804	9.1	NE	34	S	3	8	14	15	2	5	6	7	5	0

WEATHER.

Mean cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.9	6.1	5.8	45	11	7	13	0	1	8

MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
12, 13	0	0	4, 14, 16, 22	0	0	0	0	0	30, 31	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
4.77	1.25	16	0			0			4	9	8	8	7	13	0	0	0	0

(w) Maximum precipitation in 5 minutes .19, date 16; 10 minutes .29, date 22; 15 minutes .32, date 22; 30 minutes .39, date 4; 1 hour .46, date 16; 2 hours .57 date 16.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

* The duration is the time precipitation was actually recorded.

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Prepared by O.S.B.

P. M. Donogh, Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of May, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer. normal time.	Time. Local (standard) normal time.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
19	11:00 am	10:00 am	68.5	29.014	-.114	28.900	29.82	65.3	51.8	39	26	38	65.3	S	6			0	8	a St.	W	Cloudy	Ordered by C.O.	HSB	19
20	12 00 m	11 00 am	69.0	28.752	-.114	28.638	29.655	47.7	46.7	46	2	93	47.7	N	8			.09	10	Nt	NE	Lt. Rain	Ordered C.O.	HSB	20
1	5 00 am	4 00 am				28.570	29.48	56.0																	1
5	11 30 pm	11 30 pm				29.370	30.32	45.0																	5
6	12 30 am																								

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of May, 1919

Wind—Number of Miles and Length of Time From. (Standard of normal time in local use, ... meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
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30																				
31																				
SUM.																				
PERCENTAGE																				
AVG. HOURLY VELOCITY		a		a		a		a		a		a		a		a		a		a

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Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of June, *1919*

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911, 7 a.m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor. Berry & Calhoun street/room 911-912; first observation taken in present office, 7a m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of June, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 P. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90TH MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	82.5	29.190	-.151	29.039	29.93	76.0	68.5	65	69	.616	85.5	68.1	S	3			0	0	0	0	Clear		A.S.B.	1
2	85.0	29.259	-.158	29.101	30.00	76.1	68.0	64	67	.595	86.5	68.6	S	2			0	0	0	0	Clear		A.S.B.	2
3	84.0	29.320	-.156	29.164	30.08	69.6	66.0	64	83	.595	70.0	65.5	NE	6			T	0	0	0	Clear		A.S.B.	3
4	83.5	29.341	-.154	29.187	30.09	73.4	67.2	64	73	.595	83.8	70.9	S	9			0	1 2	Ci. St. a. St.	W NW	Clear		A.S.B.	4
5	81.0	29.324	-.148	29.176	30.09	68.5	66.0	64	88	.595	78.0	67.4	SW	7			.03	1 1 3	Ci. St. St. a St.	NW NW SW	Pt. Cloudy		A.S.B.	5
6	80.0	29.230	-.145	29.085	29.99	64.0	57.8	54	69	.417	78.0	59.7	W	10			0	1 1	a Cu a Cu	W W	Clear		A.S.B.	6
7	77.0	29.186	-.137	29.049	29.97	60.7	58.8	58	90	.482	68.8	57.6	SW	6			T	7	St Cu	SW	Cloudy		A.S.B.	7
8	75.0	29.273	-.132	29.141	30.05	65.3	59.3	55	70	.432	72.0	61.1	SW	6			0	2	a St	W	Clear		A.S.B.	8
9	76.5	29.394	-.136	29.258	30.18	66.0	59.2	54	67	.417	74.8	60.2	NE	4			0	0	0	0	Clear		A.S.B.	9
10	78.5	29.468	-.142	29.326	30.25	67.8	62.3	59	74	.499	77.4	62.2	E	6			0	0	0	0	Clear		A.S.B.	10
11	80.0	29.535	-.146	29.389	30.31	71.0	65.8	63	76	.575	79.6	65.8	E	6			0	1 2 1	a Cu a St a Cu	W SW W	Clear		A.S.B.	11
12	81.5	29.547	-.150	29.397	30.32	69.5	66.6	65	86	.616	70.0	66.1	E	6			.07	1 4	Cu St. St.	W E	Pt. Cloudy		A.S.B.	12
13	81.0	29.574	-.149	29.425	30.34	74.2	69.2	67	78	.661	74.6	68.3	S	2			0	0	0	0	Clear		A.S.B.	13
14	82.0	29.512	-.151	29.361	30.28	74.4	70.0	68	80	.684	79.4	69.8	W	3			0	1	a St.	W	Clear		A.S.B.	14
15	83.0	29.394	-.153	29.241	30.14	75.8	69.3	66	72	.638	80.0	70.2	N	6			0	0	0	0	Clear		A.S.B.	15
16	85.0	29.303	-.158	29.145	30.04	76.0	70.3	68	75	.684	84.2	70.6	N	5			0	1 2	Ci. St. a. St.	NW NW	Clear		A.S.B.	16
17	85.0	29.300	-.158	29.142	30.05	75.0	70.0	68	78	.684	77.0	70.8	NE	6			T	3 1	a Cu a St	W W	Pt. Cloudy		A.S.B.	17
18	83.5	29.354	-.154	29.200	30.10	72.7	67.6	66	78	.638	83.2	68.9	NE	8			0	0	0	0	Clear		A.S.B.	18
19	85.5	29.368	-.160	29.208	30.11	78.6	70.1	67	66	.661	83.0	73.5	S	5			0	0		0	Clear		A.S.B.	19
20	83.5	29.335	-.154	29.181	30.09	71.4	68.0	67	84	.661	75.4	70.3	SW	5			.01	2 7	a Cu St.	W SW	Cloudy		A.S.B.	20
21	82.0	29.352	-.150	29.202	30.11	71.3	69.8	69	93	.707	74.0	69.6	E	5			.01	10 Lt.	St. Fog	SE SE	Cloudy		A.S.B.	21
22	79.5	29.434	-.145	29.289	30.21	66.0	58.9	54	66	.417	77.3	60.9	E	10			0	4 1	a St. a St	W W	Pt. Cloudy		A.S.B.	22
23	75.5	29.290	-.133	29.157	30.08	62.6	55.0	49	62	.347	73.0	59.7	E	5			0	4 10	St. St.	SE E	Pt. Cloudy		A.S.B.	23
24	77.0	29.083	-.136	28.947	29.86	68.0	67.0	67	95	.661	72.4	66.6	E	2			0	Lt.	Fog	E	Cloudy		A.S.B.	24
25	78.0	29.032	-.138	28.894	29.80	67.6	66.6	66	95	.638	74.0	67.0	SW	5			.56	10 10	St. St	SW NW	Cloudy		A.S.B.	25
26	77.5	29.136	-.138	28.998	29.90	69.7	67.8	67	91	.661	77.7	68.6	NW	9			0	Lt.	Fog	NW	Cloudy		A.S.B.	26
27	79.5	29.246	-.143	29.103	30.01	67.4	64.2	62	84	.555	79.2	65.8	N	10			0	8	St. Cu	N	Cloudy		A.S.B.	27
28	75.0	29.314	-.132	29.182	30.10	57.0	51.9	48	71	.334	65.0	57.4	NE	10			0	3	St Cu	E	Clear		A.S.B.	28
29	72.0	29.385	-.125	29.260	30.19	59.0	52.8	48	67	.334	66.0	51.5	NE	5			0	0	0	0	Clear		A.S.B.	29
30	73.0	29.474	-.127	29.347	30.27	64.5	59.0	56	72	.448	73.3	54.9	E	1			0	0	0	0	Clear		A.S.B.	30
31																								31
Sums		(a)	(a)	875.594	902.94	2079.1	1933.0	1852	2319	16847	(a)	(a)	(a)	173		(a)	.68	105	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.186	30.098	69.3	64.4	61.7	77.3	.562	(a)	(a)	(c) E	5.8		(a)	(a)	3.5	(c) a St	(c) W	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of June, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 A. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity.	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	87.0	29.177	-.163	29.014	29.90	86.5	71.5	64	48	.595	92.3	76.0	SE	3			0	1 2	Ci St a St	W W	Clear			N.S.B.	1
2	85.0	29.300	-.158	29.142	30.05	70.0	65.3	63	78	.575	92.0	68.6	W	14	31	SW	.05	10	Nb	SW	Lt. Rain			P.M.D.	2
3	86.0	29.293	-.161	29.132	30.04	83.8	70.8	65	53	.616	89.6	69.6	SE	3			0	6 2+	Ci. Cu St. Haze	SW SE	Cloudy			P.M.D.	3
4	84.0	29.324	-.156	29.168	30.08	78.0	69.9	66	67	.638	85.2	73.4	SW	6			0	5 4	a St+ St Cu	SW SW	Cloudy			P.M.D.	4
5	84.0	29.184	-.155	29.029	29.93	78.0	64.6	57	48	.465	83.3	68.5	S	5			0	1	St.	SW	Clear			P.M.D.	5
6	79.0	29.138	-.142	28.996	29.92	68.8	64.0	61	78	.536	76.4	64.0	SW	5			.07	5	St. Cu	SW	Pt. Cloudy			P.M.D.	6
7	76.5	29.188	-.135	29.053	29.97	72.0	62.0	56	57	.448	75.8	57.3	W	6	25	NW	1.12	3 Few	Cu a St+	W W	Clear			P.M.D.	7
8	78.0	29.302	-.140	29.162	30.08	74.8	63.3	57	53	.465	77.1	65.3	W	3			0	Few	Cu	SW	Clear			N.S.B.	8
9	80.5	29.396	-.147	29.249	30.17	77.4	65.7	59	54	.499	82.9	66.0	E	5			0	1 6	a St. a St+	W NW	Clear			P.M.D.	9
10	82.5	29.442	-.153	29.289	30.21	79.6	69.1	64	59	.595	87.6	67.8	SE	4			0	2	Cu	S	Cloudy			P.M.D.	10
11	83.5	29.536	-.155	29.381	30.30	70.0	68.0	67	90	.661	90.0	70.0	N	6	25	SW	.09	10	Nb	SW	Lt. Rain			P.M.D.	11
12	82.0	29.484	-.151	29.333	30.25	74.6	69.3	67	77	.661	88.3	69.5	E	3			T	10 6	St. a St	E SW	Cloudy			P.M.D.	12
13	83.0	29.500	-.154	29.346	30.27	79.4	69.9	65	62	.616	87.4	74.2	N	3			0	2 4	St. a St+	N W	Cloudy			P.M.D.	13
14	84.5	29.393	-.157	29.236	30.15	80.0	74.6	73	78	.810	90.0	74.4	NW	5			0	2	St.	NW	Pt. Cloudy			P.M.D.	14
15	87.5	29.285	-.165	29.120	30.02	84.2	72.2	67	56	.661	89.7	75.8	N	4			T	Few 1 3 6	Ci. St a St+ Cu a St+	NW NW NW W	Pt. Cloudy			N.S.B.	15
16	85.5	29.252	-.160	29.092	30.00	77.0	72.0	70	79	.732	90.0	71.4	SW	3			.02	2	Cu	SW	Cloudy			P.M.D.	16
17	86.5	29.276	-.162	29.114	30.01	83.2	71.2	64	56	.595	87.2	75.0	NE	7			0	1	Cu	NE	Clear			P.M.D.	17
18	86.5	29.306	-.162	29.144	30.04	83.0	72.8	70	65	.732	89.6	72.7	NE	5			0	1 8	St a St	NE W	Clear			P.M.D.	18
19	84.5	29.302	-.157	29.145	30.05	75.4	69.9	67	76	.661	93.0	72.0	SW	5			.19	1	St.	SW	Cloudy			P.M.D.	19
20	83.5	29.292	-.154	29.138	30.05	74.0	69.0	67	78	.661	85.6	71.4	NE	6			T	10	Nb	NE	Sprinkling			P.M.D.	20
21	83.0	29.360	-.153	29.207	30.12	77.3	63.3	55	46	.432	82.6	71.3	NE	7			T	3	a St	W	Clear	B 635a E 730a		P.M.D.	21
22	80.0	29.341	-.145	29.196	30.12	73.0	58.2	47	40	.322	80.4	66.0	E	8			0	3	a St.	W	Clear			N.S.B.	22
23	77.0	29.160	-.137	29.023	29.93	72.4	65.4	61	69	.536	76.8	62.6	S	6			0	1	St.	S	Clear			P.M.D.	23
24	79.5	28.991	-.142	28.849	29.76	74.0	69.6	67	80	.661	83.8	68.0	S	2			.01	10	St.	W	Cloudy	B D.N.A E 8:30a		P.M.D.	24
25	80.0	29.071	-.144	28.927	29.83	77.7	71.0	68	72	.684	82.0	67.6	NW	7			T	Few	Cu	W	Clear			P.M.D.	25
26	81.0	29.162	-.137	29.025	29.92	79.2	70.7	67	66	.661	83.4	69.3	NE	6			T	2 3	Cu Ci. St	NE W	Clear	B D.N.A E 9:25a		P.M.D.	26
27	77.0	29.273	-.137	29.136	30.06	65.0	59.0	55	70	.432	73.4	64.0	NE	7			0	3	St Cu	N	Pt. Cloudy			P.M.D.	27
28	75.0	29.322	-.132	29.190	30.11	66.0	52.2	39	38	.237	72.6	57.0	E	12			0	FEW	Ci St	SW	Clear			P.M.D.	28
29	76.0	29.382	-.135	29.247	30.17	73.3	59.8	51	45	.373	79.1	59.0	NE	7			0	1	a St	W	Clear			N.S.B.	29
30	79.0	29.440	-.143	29.297	30.22	81.2	66.2	58	45	.482	86.0	64.5	E	7			0	0	0	0	Clear			P.M.D.	30
31																									31
Sums	(a)	(a)	(a)	874.380	901.73	2288.8	2011.5	1857	1883	17.042	(a)	(a)	(a)	170	(a)	(a)	1.55	141	(a)	(a)	(a)	3	0	(a)	(a)
Means	(a)	(a)	(a)	29.146	30.058	76.3	67.0	61.9	62.8	.568	(a)	(a)	(c) NE	5.7	(a)	(a)	(a)	4.7	(c) a St.	(c) W	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian normal time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of June, 1917

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	92	68	24	2	80																0				0	0	0	0	1
2	92	69	23	0	80				R	4:40p	7:30p										.05				0	0	0	0	2
3	90	66	24	2	78																0				0	0	0	0	3
4	85	71	14	0	78																0				0	0	0	0	4
5	83	66	17	4	74				R	3:50a	6:35a										.03				0	0	0	0	5
6	76	60	16	6	68				R	3:30p	4:40p	R	9:30p	10:15p							.07				0	0	0	0	6
7	76	57	19	2	66				R	7:10a	7:22a	R	7:42a	8:02a	R	9:58a	11:15a				1.12				0	0	0	0	7
8	77	61	16	3	69																0				0	0	0	0	8
9	83	60	23	3	72																0				0	0	0	0	9
10	88	62	26	3	75																0				0	0	0	0	10
11	90	66	24	3	78				R	4:50p	9:45p.										.16				0	0	0	0	11
12	88	66	22	1	77				R	3:35p	5:35p										T				0	0	0	0	12
13	87	68	19	1	78																0				0	0	0	0	13
14	90	70	20	2	80																0				0	0	0	0	14
15	90	70	20	0	80				R	5:25p	5:55p										T				0	0	0	0	15
16	90	71	19	0	80				R	3:45p	4:20p	R	8:55p	9:30p.							.02				0	0	0	0	16
17	87	71	16	1	79																0				0	0	0	0	17
18	90	69	21	1	80																0				0	0	0	0	18
19	93	72	21	2	82				R	2:40p	3:50p										.19				0	0	0	0	19
20	86	70	16	4	78				R	D.N.A	D.N.A	R	6:38p	6:50p	R	DNA	---				.01				0	0	0	0	20
21	83	67	16	3	75				R	+--	D.N.A	R	11:42a	11:55a							.01				0	0	0	0	21
22	80	61	19	5	70																0				0	0	0	0	22
23	77	60	17	2	68																0				0	0	0	0	23
24	84	67	17	8	76				R	3:40p	6:03p										.01				0	0	0	0	24
25	82	67	15	2	74				R	D.N.A	6:30a	R	7:25a	7:45a	R	3:24p	3:35p				.56				0	0	0	0	25
26	83	69	14	2	76				R	12:45p	12:48p										T				0	0	0	0	26
27	73	56	17	12	64																0				0	0	0	0	27
28	73	51	22	2	62																0				0	0	0	0	28
29	79	52	27	4	66																0				0	0	0	0	29
30	86	55	31	4	70																0				0	0	0	0	30
31																													31
S	2533	1938	595	84	2233		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.23		Total excess or deficiency since January 1,		0	0	(a)	(a)	(a)
M	84.4	64.6	19.8	2.8	74.4	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

Sunday

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF June, 1919

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian normal time. All other data are in the standard of normal time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.004.)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.186	29.146	29.166	29.440	13	28.849	24	0.591	30.098	30.058	30.078	30.36	13	29.76	24	0.60
Corrected mean		29.162						Corrected mean		30.074	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
69.3	76.3	72.8	64.4	67.0	65.7	84.4	64.6	74.5				93	19	51	28	42	31	30	14	4

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
61.7	61.9	61.8	77.3	62.8	70.0	.562	.568	.565	0	6	0	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
4659	6.5	NE	31	SW	2	6	13	13	3	8	9	5	3	0

WEATHER.

Mean cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
3.5	4.7	4.5	76	11	15	4	1	7	3

MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
0	0	0	2, 7, 11, 12, 13, 16, 19, 20, 25	0	0	0	21, 24, 26	0	3, 13	2	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.23	1.19	6-7	0			0			3	11	6	2	1	14	0	0	0	0

(w) Maximum precipitation in 5 minutes .29, date 7"; 10 minutes .52, date 7; 15 minutes .64, date 7; 30 minutes .83, date 7; 1 hour .94, date 7; 2 hours .95, date 7.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
7	9:58a	11:15a	.95	10:12a	10:47a	.01	.08	.14	.20	.46	.68	.83	.88							

* The duration is the time precipitation was actually recorded.

8—154

Prepared by W. H. B.

P. McDonough, Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of June, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Date.	Time. 75th mer. normal time.	Time. Local (standard) normal time.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
3	12m 00	11:00 am	83.5	29.300	-.154	29.146	30.06	84.0	73.0	68	16	59	84.2	SE	6			0	0	0	0	Clear	Ordered C. 10	H.S.B.	3
13	10 00 am	9 00 am				29.440	30.36	78.0																	13

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ....., for the Month of ....., 191

Wind—Number of Miles and Length of Time From. (Standard of normal time in local use, ... meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
3																				
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27																				
28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																				
AVG. HOURLY VELOCITY		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*

8—154

Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of July, *1919*

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -017; date and observation upon which use of station barometer commenced, May 20, 1911. 7 am., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor. Berry & Calhoun street, room 911-912; first observation taken in present office, Ja. m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of July, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 P. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	77.0	29.520	-.138	29.382	30.30	71.0	62.1	57	60	.465	81.2	60.7	NE	1			0	0	0	0	Clear		P.M.D.	1
2	80.0	29.423	-.146	29.277	30.19	71.5	63.5	59	64	.499	84.6	65.0	SE	1			0	0	0	0	Clear		P.M.D.	2
3	81.5	29.354	-.149	29.205	30.10	73.8	65.3	61	64	.536	88.0	68.4	SW	4			0	0	0	0	Clear		P.M.D.	3
4	83.5	29.282	-.154	29.128	30.03	76.4	68.9	65	69	.616	88.0	70.4	SW	5			0	0	0	0	Clear		P.M.D.	4
5	85.0	29.204	-.158	29.046	29.94	76.2	69.2	66	74	.638	89.2	72.0	SW	4			0	1 Lt.	a. St. Haze	SW —	Clear		P.M.D.	5
6	87.0	29.214	-.163	29.051	29.96	67.0	63.8	62	84	.555	82.0	66.0	N	6			0	10	St.	N	Cloudy		P.M.D.	6
7	83.0	29.382	-.153	29.229	30.15	66.5	60.0	56	68	.448	76.2	59.4	NE	10			0	0	0	0	Clear		P.M.D.	7
8	78.0	29.440	-.141	29.299	30.22	62.9	53.7	46	55	.310	76.0	55.0	E	10			0	0	0	0	Clear		P.M.D.	8
9	79.0	29.382	-.143	29.239	30.15	69.0	61.0	56	64	.448	78.0	61.0	SE	1			0	8	bi. St.	NW	Cloudy		P.M.D.	9
10	81.5	29.072	-.148	28.924	29.81	71.6	66.1	64	75	.595	87.2	66.9	SW	14			0	0	0	0	Clear		P.M.D.	10
11	78.0	29.234	-.139	29.095	30.02	59.0	49.3	40	49	.247	72.0	52.5	E	6			0	3	bi.	NW	Clear		P.M.D.	11
12	78.0	29.112	-.139	28.973	29.87	70.2	59.2	51	52	.373	77.2	64.6	S	7			0	8	St. Cu.	W	Cloudy		P.M.D.	12
13	81.5	29.206	-.149	29.057	29.95	69.0	65.5	64	83	.595	86.3	68.7	NE	8			T	9	St. Cu.	N	Cloudy		P.M.D.	13
14	83.5	29.293	-.154	29.139	30.04	75.2	70.7	68	80	.684	87.8	67.9	S	7	31	W	.48	3/4	Ci. St. Cu.	W/ NW S	Cloudy		P.M.D.	14
15	82.5	29.173	-.151	29.022	29.92	73.2	70.7	69	89	.707	79.8	71.0	W	5			.02	8	St. Cu.	W	Cloudy		P.M.D.	15
16	79.0	29.340	-.142	29.198	30.12	60.0	56.2	53	79	.402	73.0	56.8	NE	7			0	0	0	0	Clear		P.M.D.	16
17	78.5	29.380	-.142	29.238	30.15	69.0	60.3	55	60	.432	77.1	60.6	N	1			0	0	0	0	Clear		P.M.D.	17
18	79.0	29.331	-.142	29.189	30.10	66.6	60.1	56	69	.448	82.0	61.0	NE	5			0	0	0	0	Clear		P.M.D.	18
19	80.0	29.291	-.145	29.146	30.06	69.5	64.5	62	77	.555	82.3 ~~82.0~~	64.0	NE	6			0	0 Lt.	0 Haze	0	Clear		P.M.D.	19
20	80.5	29.172	-.146	29.026	29.93	71.0	65.0	62	73	.565	78.6	69.8	NW	4			.01	10	St. Cu.	NW	Cloudy		P.M.D.	20
21	79.5	29.084	-.143	28.941	29.85	69.0	66.3	65	87	.616	75.0	67.4	NW	4			0	9	St. Cu.	NW	Cloudy		P.M.D.	21
22	81.0	29.288	-.148	29.140	30.05	68.2	62.0	58	71	.482	82.0	65.5	NE	7			0	1	Cu.	N	Clear		P.M.D.	22
23	80.5	29.372	-.146	29.226	30.14	68.8	60.3	55	61	.432	81.0	62.4	N	3			0	1	Cu	N	Clear		P.M.D.	23
24	78.5	29.260	-.141	29.119	30.02	71.9	61.9	56	57	.448	84.0	67.5	SW	9			0	1	Ci. Cu	NW	Clear		P.M.D.	24
25	81.0	29.355	-.148	29.207	30.12	65.5	60.0	56	73	.448	84.0	62.8	E	5			0	3 1 1	a. St. St. Ci. Cu	W E W	Pt. Cloudy		P.M.D.	25
26	83.5	29.280	-.154	29.126	30.02	78.0	70.0	66	67	.638	87.5	76.0	SW	18			0	Lt.	Haze	—	Clear		P.M.D.	26
27	84.0	29.358	-.156	29.202	30.10	79.0	70.0	66	64	.638	87.0	74.6	SW	12			0	0	0	0	Clear		P.M.D.	27
28	84.0	29.330	-.156	29.174	30.07	78.0	70.8	68	70	.684	88.0	74.4	SW	12			0	3 4	a. Cu St. Cu	NW W	Pt. Cloudy		P.M.D.	28
29	86.0	29.384	-.161	29.223	30.12	69.0	60.7	55	62	.432	87.5	67.0	NE	7			0	9	St. Cu	NW	Cloudy		P.M.D.	29
30	82.5	29.332	-.152	29.180	30.09	67.8	60.8	57	67	.465	84.0	63.5	E	4			0	2	a. St.	W	Clear		P.M.D.	30
31	84.5	29.128	-.156	28.972	29.86	73.0	71.0	70	91	.732	88.0	68.6	SW	9			.41	9	St. Cu.	SW	Cloudy		P.M.D.	31
Sums	(a)	(a)	(a)	903.373	931.45	2176.8	1968.9	1844	2158	16.123	(a)	(a)	(a)	202	(a)	(a)	1.92	110	(a)	(a)	(a)		(a)	(a)
Means	(a)	(a)	(a)	29.141	30.047	70.2	63.5	59.5	69.6	.520	(a)	(a)	(c) SW	6.5	(a)	(a)	(a)	3.5	(c) St. Cu.	(c) W	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of July, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 A. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	82.0	29.401	-.151	29.250	30.16	84.6	67.6	59	41	.499	90.4	71.0	E	4			0	0	0	0	Clear			A.S.B.	1
2	88.0	29.312	-.166	29.146	30.05	88.0	67.0	55	33	.432	93.8	71.5	SW	6			0	1	0	0	Clear			A.S.B.	2
3	88.5	29.224	-.167	29.057	29.95	88.0	71.6	64	45	.595	92.8	73.8	W	6			0	0	0	0	Clear			W.H.B.	3
4	91.0	29.207	-.173	29.034	29.92	89.2	69.9	60	39	.517	94.2	76.4	SW	6			0	1	a St.	SW	Clear			P.M.G.	4
5	89.0	29.150	-.168	28.982	29.87	82.0	73.1	69	65	.707	93.4	76.2	N	4			0	8	St.Cu.	NW	Cloudy			P.M.G.	5
6	85.5	29.272	-.160	29.112	30.02	76.2	65.2	59	55	.499	81.4	67.0	NE	8			0	Few	St.	NE	Clear			P.M.G.	6
7	82.0	29.386	-.151	29.235	30.16	76.0	62.4	54	47	.417	82.0	66.5	E	9	25	NE	0	0	0	0	Clear			P.M.G.	7
8	81.0	29.342	-.148	29.194	30.11	78.0	59.6	46	32	.310	84.4	62.9	SE	5			0	3 1	Ci.St St.	W E	Cloudy			P.M.G.	8
9	86.0	29.184	-.160	29.024	29.91	87.2	70.0	62	42	.555	92.9	69.0	SW	9			0	8 2	a.St. St.Cu.	W SW	Cloudy			P.M.G.	9
10	83.0	29.116	-.152	28.964	29.87	72.0	58.0	48	42	.334	84.0	71.6	NW	13			0	0	0	0	Clear			P.M.G.	10
11	80.0	29.112	-.144	28.968	29.88	77.2	55.2	34	21	.195	81.0	59.0	S	7			0	Few Lt.	Cu Haze	S —	Clear			P.M.G.	11
12	85.0	29.096	-.157	28.939	29.83	86.3	71.3	64	48	.595	91.4	70.2	W	5			T	1 2	Cu. Cu.	SW W	Clear			P.M.G.	12
13	87.0	29.230	-.163	29.067	29.97	87.8	73.8	68	52	.684	92.9	69.0	E	3			0	1 2	Ci St.Cu.	W NW	Clear			P.M.G.	13
14	85.0	29.157	-.158	28.999	29.89	79.8	72.0	69	69	.707	93.0	75.2	SW	9			.10	6 2	Ci.St St.	W SW	Cloudy			P.M.G.	14
15	82.0	29.190	-.150	29.040	29.94	73.0	63.8	59	61	.499	83.8	69.8	NW	10			.07	Few	Cu.	NW	Clear			P.M.G.	15
16	80.5	29.300	-.146	29.154	30.07	77.1	62.3	53	44	.402	80.0	60.0	NW	6			0	0 Lt.	0 Haze	0 —	Clear			P.M.G.	16
17	82.0	29.300	-.150	29.150	30.06	82.0	63.0	51	34	.373	84.8	69.0	NE	5			0	Few	St.Cu.	NE	Clear			P.M.G.	17
18	83.0	29.253	-.153	29.100	30.01	82.3	63.8	52	36	.387	88.8	66.6	E	9			0	1 Lt.	Cu. Haze	E —	Clear			P.M.G.	18
19	82.0	29.226	-.150	29.076	29.99	78.6	72.0	68	73	.684	86.2	69.5	NW	2			.07	10	St.	NW	Cloudy			P.M.G.	19
20	81.0	29.090	-.147	28.943	29.84	75.0	68.1	65	70	.616	78.0	63.8	NE	5			.50	3	St.Cu.	NE	Clear			P.M.G.	20
21	83.5	29.104	-.153	28.951	29.85	82.0	67.4	60	47	.517	87.0	69.0	NW	7			0	2 Lt.	Cu. Haze	W —	Clear			P.M.G.	21
22	84.0	29.283	-.156	29.127	30.04	81.0	62.0	49	33	.347	84.8	68.2	NW	6			0	0	0	0	Clear			P.M.G.	22
23	85.0	29.272	-.158	29.114	30.02	84.0	65.0	53	35	.402	89.6	68.8	SW	7			0	1 3	Ci.St a St.	W W	Pt. Cloudy			A.S.B.	23
24	84.5	29.266	-.157	29.109	30.01	84.0	66.2	56	39	.448	89.9	71.9	N	6			0	1	a St.	NW	Clear			A.S.B.	24
25	86.0	29.224	-.160	29.064	29.97	87.5	70.0	62	42	.555	93.1	65.5	S	4			0	Few 1 1	a Cu St. Ci. St	W S W	Clear			A.S.B.	25
26	88.0	29.272	-.166	29.106	30.01	87.0	71.2	63	46	.575	92.2	78.0	SW	8			0	2	a St	W	Clear			A.S.B.	26
27	90.0	29.274	-.171	29.103	29.99	88.0	73.0	66	49	.638	93.0	79.0	SW	10	27	SW	0	3 1	Cu St.	SW SW	Pt. Cloudy			P.M.G.	27
28	90.0	29.288	-.171	29.117	30.01	87.5	69.0	60	39	.517	93.6	78.0	NW	8			0	1 1	a St Cu	NW NW	Clear			A.S.B.	28
29	87.0	29.322	-.163	29.159	30.07	84.0	62.2	47	28	.322	87.9	69.0	NE	4			0	1 Few Lt.	a St Cu Haze	NW NE —	Clear			A.S.B.	29
30	87.0	29.192	-.163	29.029	29.92	88.0	66.0	53	30	.402	93.1	67.8	SE	6			0	1 4	a.St. St.Cu.	W S	Pt. Cloudy			A.S.B.	30
31	82.0	29.096	-.149	28.947	29.85	76.0	71.0	69	78	.707	79.1	72.0	N	7			.02	7	St.Cu.	NW	Pt. Cldy			W.H.B.	31
Sums		(a)	(a)	901.260	929.74	2549.3	2072.7	1797	1415	15,437	(a)	(a)	(a)	204	(a)	(a)	.076	85	(a)	(a)	(a)	0	0	(a)	(a)
Means		(a)	(a)	29.073	29.975	82.2	66.9	58.0	45.6	.498	(a)	(a)	(c) SW NW	6.6	(a)	(a)	(a)	2.7	(c) a St.	(c) W	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian normal time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of ....., 1919

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡.	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
TUESDAY 1	90	61	29	6	76																0				0	0	0	0	1
2	94	65	29	4	80																0				0	0	0	0	2
3	93	68	25	0	80																0				0	0	0	0	3
4	94	70	24	2	82																0				0	0	0	0	4
5	93	72	21	0	82																0				0	0	0	0	5
6	81	66	15	8	74																0				0	0	0	0	6
7	82	59	23	4	70																0				0	0	0	0	7
8	84	55	29	0	70																0				0	0	0	0	8
9	93	61	32	7	77																0				0	0	0	0	9
10	84	59	25	5	72																0				0	0	0	0	10
11	81	52	29	6	66																0				0	0	0	0	11
12	91	65	26	12	78				R	3:38p	3:40p										T				0	0	0	0	12
13	93	68	25	2	80				R	6:35a	6:07a	R	9:30p	---							.42				0	0	0	0	13
14	93	69	24	1	81				R	---	D.N. a	R	2:58p	3:15p	R	3:35p	4:30p	R	10:15p	10:50p	.18				0	0	0	0	14
15	84	63	21	7	74				R	10:10a	10:50a	R	12:15p	12:35p							.07				0	0	0	0	15
16	80	57	23	6	68																0				0	0	0	0	16
17	85	61	24	5	73																0				0	0	0	0	17
18	89	61	28	2	75																0				0	0	0	0	18
19	86	64	22	8	75				R	12:15p	12:25p	R	1:47p	2:15p							.07				0	0	0	0	19
20	78	64	14	4	71				R	12:45a	1:40a	R	7:07a	10:55a	R	1:10p	1:17p				.51				0	0	0	0	20
21	87	67	20	6	77																0				0	0	0	0	21
22	85	66	19	1	76																0				0	0	0	0	22
23	90	62	28	0	76																0				0	0	0	0	23
24	90	68	22	3	79																0				0	0	0	0	24
25	93	63	30	1	78																0				0	0	0	0	25
26	92	76	16	6	84																0				0	0	0	0	26
27	93	75	18	0	84																0				0	0	0	0	27
28	94	74	20	0	84																0				0	0	0	0	28
29	88	67	21	6	78																0				0	0	0	0	29
30	93	64	29	0	78																0				0	0	0	0	30
31	80	69	11	4	74				R	2:00a	3:45a	R	5:40a	6:20a	R	8:50a	9:10a	R R	12:55p 11:55a	1:40p 12:10p	1.43				0	0	0	0	31
S	2733	2011	722	108	2372		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.68		Total excess or deficiency since January 1,		0	0	(a)	(a)	(a)
M	88.2	64.9	23.3	3.5	76.5	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF July, 1919

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian normal time. All other data are in the standard of normal time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean .003)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.141	29.073	29.107	29.382	1	28.900	10	0.482	30.047	29.975	30.011	30.30	1	29.80	10	0.50
Corrected mean		29.104						Corrected mean		30.008	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
70.2	82.2	76.2	63.5	66.9	65.2	88.2	64.9	76.6				94	4	57	11	42	32	9	11	31

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
59.5	58.0	58.8	69.6	45.6	57.6	.520	.498	.509	0	14	0	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
5542	7.4	SW	31	W	13	6	12	8	4	4	16	3	9	0

WEATHER.

Mean cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
3.5	2.7	3.2	80	18	10	3	0	4	7

MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
0	0	0	12, 13, 14, 15, 19, 31	0	0	0	0	0	5, 7, 11, 16, 18, 19, 21, 25, 26, 29	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.68	1.43	31	0			1.13	0 50	31	1	6	6	3	1	7	0	0	0	0

(w) Maximum precipitation in 5 minutes .39, date 31; 10 minutes .66, date 31; 15 minutes .76, date 31; 30 minutes .88, date 31; 1 hour 1.17, date 31; 2 hours 1.40, date 31.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
13	930p	DN a 14	.48	934 pm	948 pm	.01	.10	.31	.39											
31	200a	345a	1.40	205a	255a	.01	.09	.13	.24	.27	.28	.30	.43	.75	1.04	1.13				

* The duration is the time precipitation was actually recorded.

8—154

Prepared by W. S. B. P. McDonough, Meteorologist, Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of July, 191[illegible]

Number of Station barometer, 656; sum of corrections, -.009 inch.

Date.	Time. 75th mer. normal time.	Time. Local (standard) normal time.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
10	2 pm	1 pm				28.900	29.80	82.0																	10

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ....., for the Month of ....., 191

Wind—Number of Miles and Length of Time From. (Standard of normal time in local use, ... meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
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28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																				
AVG. HOURLY VELOCITY		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*

8—154

Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of August, 1919

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7 a.m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor. Berry & Calhoun street, room 911-912; first observation taken in present office, 7 a. m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of August, 1919

Number of Station barometer, 656; sum of corrections, -009 inch.

Observations at 8 P. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	81.0	29.196	-147	29.049	29.96	69.0	65.8	64	85	.595	76.0	67.7	N	5			T	10	St.	NE	Cloudy		A.S.B.	1
2	79.0	29.424	-143	29.281	30.21	60.3	53.0	47	62	.322	74.0	56.1	NE	2			0	0	0	0	Clear		A.S.B.	2
3	78.0	29.319	-140	29.179	30.10	62.5	57.0	54	72	.417	75.6	58.2	S	3			0	0	0	0	Clear		A.S.B.	3
4	78.0	29.112	-139	28.973	29.88	67.2	64.2	62	85	.555	77.5	66.1	NE	5			.19	1 5	a St St.	W E	Pt. Cloudy		A.S.B.	4
5	83.5	29.117	-153	28.964	29.85	79.8	74.0	72	76	.783	79.8	72.8	SW	10			0	3 1	a St Cu	W SW	Pt. Cloudy		A.S.B.	5
6	79.0	29.178	-142	29.036	29.95	68.4	67.4	67	95	.661	71.5	67.4	W	6			T	10 Lt	St Fog	NW NW	Cloudy		A.S.B.	6
7	81.0	29.084	-147	28.937	29.83	74.4	69.3	67	78	.661	82.3	73.0	W	6			0	2 6	a St St	W W	Cloudy		A.S.B.	7
8	81.0	29.296	-148	29.148	30.06	61.7	56.7	53	74	.402	77.0	61.5	N	10			0	0	0	0	Clear		A.S.B.	8
9	77.5	29.420	-139	29.281	30.21	56.0	53.2	51	83	.373	67.4	53.8	NE	6			0	0 Lt	Haze	–	Clear		A.S.B.	9
10	76.0	29.480	-135	29.345	30.27	58.0	54.7	52	81	.387	71.2	53.8	NE	2			0	0 Lt.	Haze	–	Clear		A.S.B.	10
11	75.0	29.492	-133	29.359	30.29	58.6	53.2	49	70	.347	72.0	55.6	NE	4			0	0 Lt.	Haze	–	Clear		A.S.B.	11
12	75.5	29.357	-133	29.224	30.14	64.5	59.5	56	75	.448	73.6	61.5	N	6			0	0 Lt.	Haze	–	Clear		A.S.B.	12
13	77.0	29.150	-137	29.013	29.92	67.0	63.1	61	81	.536	77.6	60.6	E	2			0	1 6 Lt.	a St Fr Rain Haze	W E –	Pt. Cloudy		A.S.B.	13
14	76.0	29.142	-134	29.008	29.92	66.6	63.0	61	82	.536	74.0	61.7	SW	10			0	0	0	0	Clear		A.S.B.	14
15	79.5	29.219	-143	29.076	29.99	69.2	64.1	61	76	.536	83.6	65.7	SW	7			0	2 4	a St St Cu	W SW	Pt. Cloudy		A.S.B.	15
16	82.5	29.114	-151	28.963	29.86	66.0	65.5	65	97	.616	84.6	66.0	NW	12			.03	10	Nb	NW	Lt. Rain		A.S.B.	16
17	79.0	29.010	-141	28.869	29.78	66.5	62.0	60	78	.517	75.2	64.8	SW	8			0	1 8	a St St Cu	W SW	Cloudy		A.S.B.	17
18	71.5	29.060	-121	28.939	29.85	63.8	61.0	59	86	.499	70.0	60.7	W	6			T	3	Cu	W	Clear		A.S.B.	18
19	75.5	29.247	-133	29.114	30.02	65.0	61.8	60	84	.517	71.2	61.2	NW	6			0	3	Cu	NW	Clear		A.S.B.	19
20	77.0	29.264	-137	29.127	30.04	66.8	60.5	56	70	.448	77.0	62.8	S	2			0	Few	a St.	W	Clear		A.S.B.	20
21	75.0	29.034	-131	28.903	29.81	67.0	64.8	64	89	.595	78.0	65.8	SW	13			.25	10	St Cu	SW	Cloudy		A.S.B.	21
22	77.0	29.204	-137	29.067	29.98	64.8	57.5	52	65	.387	76.0	62.6	SW	9			0	8	St Cu	SW	Cloudy		A.S.B.	22
23	80.0	29.304	-145	29.159	30.07	71.0	67.5	66	84	.638	82.6	69.2	SW	12			0	Few	Cu	SW	Clear		A.S.B.	23
24	87.0	29.260	-150	29.110	30.02	71.0	67.7	66	85	.638	83.0	69.3	SW	12			0	2	St Cu	SW	Clear		A.S.B.	24
25	78.5	29.262	-141	29.121	30.04	60.0	56.5	54	81	.417	71.0	56.8	NW	9			0	2	Cu	NW	Clear		A.S.B.	25
26	75.0	29.215	-132	29.083	30.00	59.8	54.3	50	71	.360	68.0	55.2	W	9			0	2	St. Cu	W	Clear		A.S.B.	26
27	74.0	29.147	-129	29.018	29.94	58.0	55.2	53	84	.402	70.2	53.9	W	5			0	2	St Cu	W	Clear		A.S.B.	27
28	72.5	29.180	-125	29.055	29.98	56.0	48.8	42	60	.266	66.0	52.7	SW	6			0	0	0	0	Clear		A.S.B.	28
29	73.0	29.240	-126	29.114	30.03	57.8	51.3	46	64	.310	70.0	54.9	W	2			0	2	a St.	NW	Clear		A.S.B.	29
30	75.5	29.118	-132	28.986	29.90	65.8	64.3	64	92	.595	77.0	65.0	SW	7			T	0 Lt.	Fog	0	Clear		A.S.B.	30
31	74.0	29.194	-129	29.065	29.98	59.0	55.5	53	81	.402	68.0	57.8	NW	8			0	9	St Cu	NW	Cloudy		A.S.B.	31
Sums		(a)	(a)	901.566	929.88	2015	1872.4	1787	2446	15.166	(a)	(a)	(a)	210	(a)	(a)	0.47	113	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.083	29.996	64.6	60.4	57.6	78.9	0.489	(a)	(a)	(c) SW	6.8	(a)	(a)	(a)	3.6	(c) St Cu	(c) W	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of August, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 A. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	81.0	29.257	-.148	29.109	30.02	74.0	62.7	55	53	.432	80.6	69.0	N	12			0	1	Cu	N	Clear			PMCD.	1
2	79.5	29.335	-.144	29.191	30.11	75.6	60.0	49	39	.347	79.0	60.3	W	3			0	Lt. 3	Haze Cu. St	— W	Clear			PMCD.	2
3	79.0	29.160	-.142	29.018	29.93	77.5	63.0	54	44	.417	80.8	62.5	S	4			0	1 7	a St Stcu	W SW	Cloudy			A.S.B.	3
4	85.5	29.048	-.158	28.890	29.80	75.3	71.3	69	82	.707	95.0	67.2	E	6			.01	8	Stcu	W	Cloudy T			PMCD.	4
5	82.5	29.146	-.151	28.995	29.90	71.5	70.0	70	93	.732	90.8	71.5	N	6	27	NW	.36	8	Nb.	NW	Lt. Rain		B 6:10a E 8:40a	A.S.B.	5
6	82.0	29.146	-.150	28.996	29.90	82.3	74.3	71	69	.757	89.4	68.0	NW	3			0	10	St	NW	Cloudy			PMCD.	6
7	84.5	29.154	-.156	28.998	29.90	77.0	64.0	56	49	.448	85.6	74.4	NW	8			0	Few	St.	NW	Clear			PMCD.	7
8	80.0	29.314	-.145	29.169	30.09	67.4	59.0	54	61	.417	71.4	61.7	N	7			0	Dense 0	Haze 70	— 0	Hazy			PMCD.	8
9	78.5	29.392	-.142	29.250	30.18	71.2	57.2	46	41	.310	75.6	56.0	NE	5			0	Lt. 1	Haze Cu St	— W	Clear			PMCD.	9
10	79.5	29.446	-.145	29.301	30.23	72.0	58.2	48	43	.334	76.0	58.0	NE	6			0	Lt. 8	Haze a St	— NW	Clear			A.S.B.	10
11	77.0	29.375	-.137	29.238	30.16	73.6	59.8	50	44	.360	78.1	58.6	NE	5			0	Lt. 3	Haze Cu St	— W	Cloudy			PMCD.	11
12	77.5	29.212	-.138	29.074	29.98	77.6	64.1	56	48	.448	83.4	64.5	NE	4			0	Lt. 6	St Cu	NE SW	Clear			PMCD.	12
13	78.0	29.052	-.138	28.914	29.82	74.0	68.8	67	77	.661	77.4	67.0	S	12			.05	3 2	Stcu Cu.	SW W	Cloudy T			PMCD.	13
14	84.0	29.132	-.155	28.977	29.88	83.6	66.9	58	42	.482	89.6	66.6	W	9			0	1 3	St Cu. St	W NW	Clear			PMCD.	14
15	85.5	29.138	-.159	28.979	29.88	84.6	66.0	55	37	.432	91.3	69.2	SW	8			T	1	St	SW	Pt. Cloudy			PMCD.	15
16	84.0	29.056	-.154	28.902	29.81	75.2	66.4	62	63	.555	78.8	61.7	S	7			.55	1	Stcu	SW	Clear			PMCD.	16
17	80.5	29.012	-.145	28.867	29.78	70.0	65.6	60	79	.575	79.8	66.0	SW	3			.12	8	St. Cu	SW	Cloudy			A.S.B.	17
18	78.0	29.104	-.139	28.965	29.87	71.2	63.7	59	67	.499	78.0	63.8	NW	8			.04	1	Cu	NW	Clear			PMCD.	18
19	81.0	29.252	-.148	29.104	30.01	77.0	63.0	54	46	.417	82.0	65.0	NW	2			0	1	Stcu	NW	Clear			PMCD.	19
20	80.5	29.148	-.146	29.002	29.91	78.0	67.2	61	57	.536	85.6	66.8	S	6			0	8 2	a St St.	NW SW	Cloudy			PMCD.	20
21	80.0	29.078	-.144	28.934	29.84	76.0	61.3	52	43	.387	81.0	67.0	SW	8			0	Few	Cu	W	Clear			PMCD.	21
22	83.5	29.184	-.154	29.030	29.93	82.6	69.0	62	50	.555	90.8	64.8	SW	9			0	3	Cu	W	Clear			PMCD.	22
23	86.0	29.256	-.161	29.095	30.01	82.0	70.0	64	52	.595	89.4	71.0	SW	10			0	Few	Cu	SW	Clear			PMCD.	23
24	82.0	29.204	-.150	29.054	29.96	71.0	58.2	49	46	.347	83.5	71.0	NW	7			T	2 4	a St Stcu	NW NW	Pt. Cloudy			A.S.B.	24
25	82.0	29.211	-.150	29.061	29.98	68.0	55.8	47	46	.322	75.4	60.0	NW	9	26	NW	0	Few	St.	NW	Clear			PMCD.	25
26	77.0	29.106	-.136	28.970	29.89	70.2	55.8	44	39	.287	75.2	59.8	NW	7	25	NW	0	Few	Cu	NW	Clear			PMCD.	26
27	76.0	29.174	-.134	29.040	29.96	66.0	53.4	43	43	.277	71.6	58.0	NW	6			0	Few	St	NW	Clear			PMCD.	27
28	76.5	29.198	-.135	29.063	29.98	70.0	53.0	37	30	.219	77.7	56.0	NW	7			0	2 4	a St a St	NW W	Clear			PMCD.	28
29	76.5	29.084	-.135	28.949	29.86	77.0	67.0	62	60	.555	81.0	57.8	S	12			0	4	Stcu	S	Cloudy			PMCD.	29
30	77.0	29.070	-.136	28.934	29.84	68.0	59.7	54	62	.417	81.3	65.8	W	5	25	W	.01	3	Stcu	W	Clear		B 7:N.A E 9:00a	PMCD.	30
31	77.0	29.314	-.137	29.177	30.10	65.0	56.0	49	57	.347	70.8	59.0	NW	7			T	1	Cu.	NW	Clear			WSHB	31
Sums	(a)	(a)	(a)	900.246	928.51	2305.4	1950.4	1720	1662	14174	(a)	(a)	(a)	211	(a)	(a)	1.14	109	(a)	(a)	(a)	2	0	(a)	(a)
Means	(a)	(a)	(a)	29.040	29.952	74.4	62.9	55.5	53.6	.457	(a)	(a)	(c) NW	6.8	(a)	(a)	(a)	3.5	(c) St Cu.	(c) NW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian normal time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of August, 1919

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	81	62	19	2	72				R	5:20a	6:30a										T				0	0	0	0	1
2	79	56	23	4	68																0				0	0	0	0	2
3	81	58	23	2	70				R	8:00p	8:05p										T				0	0	0	0	3
4	95	66	29	10	80				R	I.N.A.	5:30a	R	5:35p	5:36p	R	5:50p	6:10p				.20				0	0	0	0	4
5	91	70	21	0	80				R	12:14p	12:22p	R+H	12:22p	12:25p	R	12:25p	12:32p	R R	3:40p 12:27p	6:45p 2:25p	.36				T	0	0	0	5
6	87	67	20	3	77																0				0	0	0	0	6
7	86	69	17	1	78																0				0	0	0	0	7
8	71	59	12	13	65																0				0	0	0	0	8
9	76	54	22	0	65																0				0	0	0	0	9
10	76	54	22	0	65																0				0	0	0	0	10
11	78	56	22	2	67																0				0	0	0	0	11
12	83	62	21	5	72																0				0	0	0	0	12
13	77	61	16	3	69				R	9:04a	11:05a	R	12:22p	1:10p	R	2:30p	2:45p				.05				0	0	0	0	13
14	90	62	28	7	76																0				0	0	0	0	14
15	91	66	25	2	78				R	8:15a	8:18a										T				0	0	0	0	15
16	79	62	17	8	70				R	6:20a	6:55a	R	8:00a	10:55a							.58				0	0	0	0	16
17	80	64	16	2	72				R	4:10p	5:15p	R	7:50p	8:05p							.12				0	0	0	0	17
18	78	61	17	2	70				R	12:38p	12:57p										.04				0	0	0	0	18
19	82	61	21	2	72																0				0	0	0	0	19
20	86	63	23	2	74																0				0	0	0	0	20
21	81	66	15	0	74				R	I.N.A.	5:05a										.25				0	0	0	0	21
22	91	63	28	3	77																0				0	0	0	0	22
23	89	69	20	2	79																0				0	0	0	0	23
24	84	62	22	6	73				R	3:15p	3:30p										T				0	0	0	0	24
25	75	57	18	7	66																0				0	0	0	0	25
26	75	55	20	1	65				R	11:20p	11:30p										T				0	0	0	0	26
27	72	54	18	2	63																0				0	0	0	0	27
28	78	53	25	3	66																0				0	0	0	0	28
29	81	55	26	2	68																0				0	0	0	0	29
30	81	60	21	2	70				R	12:20a	12:40a	R	2:18p	3:50p	R	5:40p	5:45p				.01				0	0	0	0	30
31	71	57	14	6	64				R	8:50a	9:10a										T				0	0	0	0	31
S	2525	1884	641	104	2205		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	1.61		Total excess or deficiency since January 1,		T	0	(a)	(a)	(a)
M	81.5	60.8	20.7	3.4	71.1	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF August, 1919

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian normal time. All other data are in the standard of normal time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.004.)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.083	29.040	29.062	29.363	11	28.850	4	0.513	29.996	29.952	29.974	30.29	11	29.74	4	0.55
Corrected mean		29.058						Corrected mean		29.970	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
64.6	74.4	69.5	60.4	62.9	61.6	81.5	60.8	71.2				95	4	53	28	42	29	4	12	8

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
57.6	55.5	56.6	78.9	53.6	66.2	.489	.457	.473	0	4	0	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
5952	8.0	SW	27	NW	5	6	9	2	0	7	15	9	14	0

WEATHER.

Mean cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
3.6	3.5	4.5	73	10	18	3	1	5	2

MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
0	0	0	4, 5, 13, 16, 17, 24, 29, 30.	0	29	0	6, 30	0	1, 2, 3, 8, 9, 10, 11, 12, 13, 29.	8	0	0	5	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
1.61	0.58	16	0			0			6	8	4	3	0	14	0	0	0	0

(w) Maximum precipitation in 5 minutes .23, date 5; 10 minutes .25, date 5; 15 minutes .25, date 5;
30 minutes .27, date ~~30~~ 5"; 1 hour .32, date 16; 2 hours .48 date 16.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
						None														

* The duration is the time precipitation was actually recorded.

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Prepared by W. S. Bonn

P. M. Donough Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of August, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Date.	Time. 75th mer. normal time.	Time. Local (standard) normal time.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
13"	11:00 am	10:00 am	7.55	29.150	-.133	29.017	29.93	71.2	64.0	60	11	68	71.2	SW	8			T	10	Nt	W	Lt Rain	Ordered by C.O	PMcD	13"
4"	4:00 PM	3:00 PM				28.850	29.74	95.0																	4"
11	6:40 am	5:40 am				29.363	30.29	55.9																	11"

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ....., for the Month of ....., 191

Wind—Number of Miles and Length of Time From. (Standard of normal time in local use, ... meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
3																				
4																				
5																				
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27																				
28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																				
AVG. HOURLY VELOCITY		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*

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Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of *September*, *1919*

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

† No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

† Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced May 20, 1911, 7 a.m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor. Berry & Calhoun street, room 911-912; first observation taken in present office, 7 a. m. May 20, 1911

*Cancel words that are not appropriate. † To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of September, 1919

Number of Station barometer, 676; sum of corrections, -009 inch.

Observations at 8 P. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	73.0	29.460	-127	29.333	30.26	55.0	50.2	46	72	.310	65.0	52.5	N	4			0	0	0	0	Clear		PMD.	1
2	74.0	29.480	-130	29.350	30.28	57.0	51.8	48	71	.334	69.7	50.6	W	2			0	4 3	ci. Cu	W NW	Pt. Cloudy		PMD.	2
3	74.0	29.458	-130	29.328	30.26	58.0	52.0	47	67	.322	71.5	54.6	SW	3			0	8	St-cu	SW	Cloudy		PMD.	3
4	76.0	29.442	-135	29.307	30.23	63.3	58.8	56	77	.448	76.0	63.0	N	7			T	9	St cu	N	Cloudy		PMD.	4
5	75.5	29.435	-134	29.301	30.23	57.0	52.9	50	76	.360	71.5	51.0	E	3			0	Few	a St.	W	Clear		PMD.	5
6	77.5	29.332	-138	29.194	30.11	66.5	58.5	54	62	.417	77.5	65.0	S	7			0	0	0	0	Clear		PMD.	6
7	81.0	29.378	-148	29.230	30.14	71.4	64.4	60	69	.517	83.0	71.0	S	8			0	4 6	a St St-cu	W S	Cloudy		PMD.	7
8	81.0	29.348	-148	29.200	30.10	73.2	68.0	66	77	.638	83.0	70.6	SW	8			0	4 1	ci. St. St.	NW SW	Pt. Cloudy		PMD.	8
9	82.5	29.280	-152	29.128	30.03	74.3	68.3	65	74	.616	84.0	72.6	SW	7			0	Few	Ci. St.	NW	Clear		PMD.	9
10	85.0	29.194	-158	29.036	29.94	66.7	64.2	63	88	.575	81.5	66.7	NE	12			T	9	St cu	NE	Cloudy		PMD.	10
11	82.0	29.108	-149	28.959	29.87	66.0	65.0	64	95	.595	78.0	64.8	W	6			0	10	St. cu	NW	Cloudy		PMD.	11
12	76.5	29.386	-136	29.250	30.18	51.4	47.9	44	78	.287	62.5	48.4	NW	9			0	0	0	0	Clear		PMD.	12
13	75.0	29.470	-133	29.337	30.27	55.2	51.0	48	75	.334	64.5	51.0	N	2			0	1 8	ci. St a cu	W W	Clear		ASB.	13
14	74.0	29.436	-130	29.306	30.24	57.0	52.3	49	73	.347	69.0	52.9	NE	1			0	4	St-cu	NE	Pt. Cloudy		PMD.	14
15	74.0	29.284	-129	29.155	30.07	62.7	56.2	52	67	.387	72.8	61.2	0	0			0	3	Cu	NW	Clear		PMD.	15
16	76.5	29.286	-136	29.150	30.07	57.1	55.0	54	88	.417	71.2	55.0	NW	5			0	1	St-cu	NW	Clear		PMD.	16
17	75.0	29.271	-132	29.139	30.06	59.5	53.0	48	65	.334	67.5	54.0	NW	1			0	1	Ci. St.	NW	Clear		PMD.	17
18	74.5	29.230	-130	29.100	30.01	65.2	59.2	55	70	.432	73.0	62.4	S	8			0	10	St.	S	Cloudy		PMD.	18
19	73.5	28.812	-126	28.686	29.59	70.6	63.1	59	67	.499	70.6	65.0	S	16			T	8	St. Cu.	SW	Cloudy		PMD.	19
20	73.0	29.120	-125	28.995	29.91	65.0	62.3	61	86	.536	72.8	62.0	SW	9			0	1	St.	SW	Clear		PMD.	20
21	77.5	28.973	-137	28.836	29.73	73.0	69.2	67	83	.661	73.4	68.9	SW	11			.57	10	St Cu.	SW	Cloudy		PMD.	21
22	75.0	29.187	-132	29.055	29.98	58.4	55.4	53	83	.402	68.0	58.4	NW	9			.02	10	St.	NW	Cloudy		PMD.	22
23	73.5	29.296	-128	29.168	30.09	55.8	52.8	51	82	.373	64.0	55.7	W	4			0	1 3	Ci. St. St. cu.	W W	Pt. Cloudy		PMD.	23
24	69.0	29.116	-115	29.001	29.92	55.0	50.0	46	71	.310	60.3	52.6	SW	12			0	0	0	0	Clear		PMD.	24
25	70.0	29.028	-118	28.910	29.82	58.0	53.4	50	74	.360	68.8	57.0	W	7			0	1	Ci St.	W	Clear		PMD.	25
26	68.0	29.370	-113	29.257	30.19	46.2	42.2	37	72	.219	54.1	42.0	NE	3			0	1	St.	NE	Clear		PMD.	26
27	68.0	29.386	-114	29.272	30.21	52.6	47.0	41	66	.256	61.1	49.8	S	8			0	0	0	0	Clear		PMD.	27
28	69.0	29.408	-117	29.291	30.22	61.2	52.7	45	56	.298	73.0	57.0	S	4			0	1	Ci St.	SW	Clear		PMD.	28
29	72.5	29.273	-125	29.148	30.06	67.3	62.3	59	76	.499	76.3	66.7	SW	12			T	9	St. Cu.	SW	Cloudy		PMD.	29
30	75.0	29.436	-133	29.303	30.23	54.0	53.0	52	94	.387	71.0	54.0	NE	12			T	10	Nb	NE	St. Rain		PMD.	30
31																								31
Sums	(a)	(a)	(a)	874.725	902.30	1833.6	1692.1	1590	2254	12470	(a)	(a)	(a)	200	(a)	(a)	0.59	136	(a)	(a)	(a)		(a)	(a)
Means	(a)	(a)	(a)	29.158	30.077	61.1	56.4	53.0	75.1	.416	(a)	(a)	(c) SW	6.7	(a)	(a)	(a)	4.5	(c) St. Cu.	(c) NW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of September, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 A. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 A. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	75.5	29.415	-.134	29.281	30.21	69.7	55.3	44	39	.287	73.3	55.0	N	3			0	2	Cu	N	Clear			P.M.D.	1
2	76.0	29.434	-.135	29.299	30.23	71.5	56.5	44	38	.287	75.8	57.0	NE	4			0	3	acu	W	Clear			A.S.B.	2
3	77.0	29.378	-.138	29.240	30.16	75.0	60.0	50	41	.360	81.9	58.0	N	6			0	2	a St	W	Clear			A.S.B.	3
4	77.5	29.398	-.139	29.259	30.19	71.5	54.0	38	30	.228	76.2	63.3	N	4			0	0	0	0	Clear			A.S.B.	4
5	79.5	29.292	-.144	29.148	30.07	77.5	62.0	52	41	.387	82.7	57.0	SE	5			0	3 2 1	Ci. St a St ci. St	W W W	Clear			A.S.B.	5
6	82.0	29.274	-.150	29.124	30.03	83.0	66.0	56	40	.448	90.1	66.5	SW	6			0	4	a St.	W	Pt. Cloudy			A.S.B.	6
7	84.5	29.310	-.157	29.153	30.06	83.0	68.4	61	48	.536	84.9	71.4	SW	6			0	4	Ci. St.	W	Pt. Cloudy			P.M.D.	7
8	86.0	29.266	-.161	29.105	30.00	84.0	70.0	63	50	.575	91.5	73.2	SW	8			0	3 1	a St St.	W SW	Pt. Cloudy			A.S.B.	8
9	86.0	29.222	-.160	29.062	29.96	81.5	71.5	67	62	.661	92.8	74.3	N	2			0	3 4	a St St.	NW N	Pt. Cloudy			A.S.B.	9
10	83.0	29.074	-.151	28.923	29.83	78.0	70.5	67	69	.661	82.7	64.8	NW	6			.21	9	St Cu	NW	Cloudy			A.S.B.	10
11	79.0	29.194	-.142	29.052	29.97	62.5	52.0	42	48	.266	78.6	62.5	NW	17	32	NW	0	0	0	0	Clear			A.S.B.	11
12	77.5	29.384	-.139	29.245	30.17	64.5	54.0	46	50	.310	69.4	51.4	NE	6			0	0	0	0	Clear			A.S.B.	12
13	75.5	29.384	-.134	29.250	30.18	69.0	55.0	43	40	.277	75.8	55.2	E	2			0	1	St	E	Clear			P.M.D.	13
14	74.5	29.342	-.130	29.212	30.13	72.8	56.1	42	33	.266	78.4	57.0	N	3			T	9	St Cu	N	Cloudy			P.M.D.	14
15	77.0	29.260	-.137	29.123	30.04	71.2	59.2	51	49	.373	81.2	62.7	N	6			0	0	0	0	Clear			A.S.B.	15
16	77.0	29.250	-.137	29.113	30.03	67.5	57.0	50	52	.360	77.2	57.1	NW	8			0	0	0	0	Clear			A.S.B.	16
17	75.5	29.232	-.133	29.099	30.02	72.0	60.9	54	53	.417	77.2	59.5	NW	2			0	4 5	a St St Cu	W NW	Cloudy			A.S.B.	17
18	73.0	29.066	-.125	28.941	29.85	69.0	60.4	55	61	.432	71.3	65.2	SE	6			T	10	St.	SE	Cloudy			A.S.B.	18
19	74.5	28.954	-.129	28.825	29.72	72.8	67.2	65	75	.616	74.4	66.0	SW	9	30	[illegible]	.10	4	St Cu	NW	Pt. Cloudy			P.M.D.	19
20	79.0	29.056	-.141	28.915	29.83	72.4	67.1	65	76	.616	88.2	65.0	SW	14	30	SW	T	10	St.	SW	Cloudy			P.M.D.	20
21	76.5	28.972	-.134	28.838	29.74	68.0	67.2	67	96	.661	74.4	68.0	W	8	25	S	1.25	10	Nb	W	Lt. Rain			P.M.D.	21
22	75.0	29.270	-.132	29.138	30.06	64.0	56.6	51	64	.373	70.3	58.4	NW	5			0	5	a St.	SW	Pt. Cloudy			P.M.D.	22
23	72.5	29.236	-.125	29.111	30.03	60.3	53.0	47	62	.322	68.4	55.8	W	9			0	0	0	0	Clear			P.M.D.	23
24	71.0	29.022	-.120	28.902	29.82	68.8	58.6	51	54	.373	75.0	55.0	SW	7			0	1	St Cu	SW	Clear			P.M.D.	24
25	70.5	29.220	-.120	29.100	30.03	54.1	47.0	40	59	.247	64.8	54.1	NW	9			0	0	0	0	Clear			P.M.D.	25
26	69.0	29.306	-.116	29.190	30.12	61.1	48.5	35	38	.203	66.4	46.2	SE	5			0	0	0	0	Clear			P.M.D.	26
27	70.0	29.358	-.119	29.239	30.16	73.0	54.8	39	29	.237	80.4	52.6	S	7			0	0	0	0	Clear			P.M.D.	27
28	72.0	29.320	-.124	29.196	30.12	76.3	62.9	54	46	.417	84.9	61.2	S	9			0	10	St	S(?)	Cloudy			P.M.D.	28
29	77.0	29.332	-.137	29.195	30.12	71.0	67.0	65	82	.616	82.0	65.0	NW	12			.13	0	0	0	Clear			P.M.D.	29
30	73.5	29.310	-.128	29.182	30.11	56.2	55.2	54	94	.417	59.4	52.0	NE	13			.33	10	Nb.	NE	Sprinkling			P.M.D.	30
31																									31
Sums	(a)	(a)	(a)	873.460	900.99	2121.2	1793.9	1558	1619	12229	(a)	(a)	(a)	207	(a)	(a)	2.02	117	(a)	(a)	(a)	0	0	(a)	(a)
Means	(a)	(a)	(a)	29.115	30.033	70.7	59.8	51.9	54.0	.408	(a)	(a)	(c) NW	6.9	(a)	(a)	(a)	3.9	(c) a St.	(c) W	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian normal time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of September, 1919

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1 Monday	73	52	21	2	62																0				0	0	0	0	1
2	76	51	25	2	64																0				0	0	0	0	2
3	82	55	27	4	68																0				0	0	0	0	3
4	76	61	15	0	68				R	2:10a	5:15a										T				0	0	0	0	4
5	83	51	32	1	67																0				0	0	0	0	5
6	90	65	25	11	78																0				0	0	0	0	6
7	90	71	19	2	80																0				0	0	0	0	7
8	92	71	21	2	82																0				0	0	0	0	8
9	93	73	20	1	83																0				0	0	0	0	9
10	83	65	18	9	74				R	3:10a	5:00a	R	5:25a	6:15a	R	7:18a	8:35a				.21				0	0	0	0	10
11	79	55	24	7	67																0				0	0	0	0	11
12	69	48	21	9	58																0				0	0	0	0	12
13	76	51	25	6	64																0				0	0	0	0	13
14	78	53	25	2	66				R	6:05p	6:10p										T				0	0	0	0	14
15	81	61	20	6	71																0				0	0	0	0	15
16	77	55	22	5	66																0				0	0	0	0	16
17	77	54	23	0	66																0				0	0	0	0	17
18	71	62	9	0	66				R	1:50p	6:15p										T				0	0	0	0	18
19	74	65	9	4	70				R	1:15a	1:30a	R	3:20a	4:35a	R	6:08a	6:15a	R	9:01a	2:55p	.10				0	0	0	0	19
20	88	62	26	5	75				R	6:00p	6:20p	R	7:35p	7:40p							T				0	0	0	0	20
21	74	67	7	5	70				R	11:N a	11:N a	R	8:45a	9:50p	R	5:20p	7:40p				1.84				0	0	0	0	21
22	70	58	12	6	64				R	5:35a	6:10a										T				0	0	0	0	22
23	68	54	14	3	61																0				0	0	0	0	23
24	75	53	22	3	64																0				0	0	0	0	24
25	65	48	17	8	56																0				0	0	0	0	25
26	66	42	24	2	54																0				0	0	0	0	26
27	80	50	30	11	65																0				0	0	0	0	27
28	85	57	28	6	71																0				0	0	0	0	28
29	82	61	21	1	72				R	5:47a	6:20a	R	6:55a	7:50a							.13				0	0	0	0	29
30	61	52	9	16	56				R	6:30a	12:10p	R	6:30p	7:15p							.33				0	0	0	0	30
31																													31
S	2334	1723	611	138	2028		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.61		Total excess or deficiency since January 1,		0	0	(a)	(a)	(a)
M	77.8	57.4	20.4	4.6	67.6	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

The undersigned is responsible for the correctness of the data recorded on this page from the 1st to 14th inclusive.

Wm S. Baker.

(8)

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SUMMARY FOR THE MONTH OF September, 1919

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian normal time. All other data are in the standard of normal time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean .005.)

STATION.								REDUCED.							
Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
8 a. m.	8 p. m.	Monthly. (g)						8 a. m.	8 p. m.	Monthly. (g)					
29.158	29.115	29.136	29.360	2	28.610	19	0.750	30.077	30.033	30.055	30.29	2	29.51	19	.078
Corrected mean		29.131						Corrected mean		30.050	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a. m.	Dry. 8 p. m.	Dry. (8+8)÷2 (g)	Wet. 8 a. m.	Wet. 8 p. m.	Wet. Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
61.1	70.7	65.9	56.4	59.8	58.1	77.8	57.4	67.6				93	9	42	26	51	32	5	7	24

Dew-point. 8 a. m.	Dew-point. 8 p. m.	Dew-point. Monthly. (g)	Relative humidity. 8 a. m.	Relative humidity. 8 p. m.	Relative humidity. Monthly. (g)	Vapor pressure. 8 a. m.	Vapor pressure. 8 p. m.	Vapor pressure. Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	Maximum. 90° or above.	Minimum. 32° or below.	Minimum. Zero or below.
52.0	51.9	52.4	75.1	54.0	64.6	.416	.408	.412	0	3	0	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
5994	8.3	SW	37	NW	11	9	7	2	3	8	13	6	11	1

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
4.5	3.9	4.6	67	12	11	7	0	0	5

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
0	0	0	10, 21, 29	0	0	0	0	0	0	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.61	1.84	21	0			0			5	5	5	2	1	10	0	0	0	0

(w) Maximum precipitation in 5 minutes .19, date 21"; 10 minutes .24, date 21"; 15 minutes .30, date 21";
30 minutes .41, date 21"; 1 hour .47, date 21"; 2 hours .81, date 21".

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt. before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
						None														

The undersigned is responsible for the correctness of the data recorded from the 1st to 17th inclusive
Wm S. Baker

* The duration is the time precipitation was actually recorded.

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Prepared by P. M. Drucker, Meteorologist, Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of September, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Date.	Time. 75th mer. normal time.	Time. Local (standard) normal time.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
	SPECIAL OBSERVATIONS.																								
2	10 am 00	9 am 00				29.360	30.29	68.0																	2
19	1 pm 15	12 pm 15				28.610	29.51	68.0																	19

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ....., for the Month of ....., 191

Wind—Number of Miles and Length of Time From. (Standard of normal time in local use, ... meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
3																				
4																				
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27																				
28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																				
AVG. HOURLY VELOCITY		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*

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Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Indiana

For the Month of October, *1919*

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7 a.m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun street, room 911-12; first observation taken in present office, 7:00 a. m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 9—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Indiana, for the Month of October, 1919

Number of Station barometer, 656; sum of corrections, −.009 inch.

Observations at 8 P. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7.00 A. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7.19 A.M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Observed reading.	Total correction.	Station. (Observed reading plus total cor.) (b)	Reduced to sea-level. (b)	Thermometers. Dry. (b)	Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Min. (b)	Wind. Dir.	Velocity. (b) †	Max. during preceding 12 hours.	Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Kind.	Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	71.0	29.250	.121	29.129	30.05	58.8	58.0	57	95	.465	58.8	55.1	SE	4			.23	10	Nb	S	St Rain		[illegible]	1
2	70.5	29.155	.120	29.035	29.96	68.2	64.8	63	83	.575	68.2	62.0	S	10			0	0	0	0	Clear		[illegible]	2
3	75.0	29.183	.132	29.051	29.96	66.0	62.0	60	80	.517	78.2	64.6	SW	7			0	0	0	0	Clear		[illegible]	3
4	77.0	29.244	.137	29.107	30.02	65.7	62.0	60	82	.517	77.0	64.0	SW	9			0	3	Cu	W	Clear		[illegible]	4
5	77.5	29.173	.138	29.035	29.95	68.6	66.2	65	88	.616	74.0	67.7	SW	8			.01	8	St Cu	W	Cloudy		[illegible]	5
6	74.5	29.317	.130	29.187	30.11	55.8	52.0	49	78	.347	68.8	54.9	W	7			0	2	Ci St	W	Clear		[illegible]	6
7	70.0	29.395	.119	29.276	30.22	51.2	48.2	45	81	.298	60.0	49.6	SW	9			0	0	0	0	Clear		[illegible]	7
8	68.5	29.397	.115	29.282	30.22	45.5	44.0	42	89	.266	57.8	43.2	E	7			0	Few	A St	W	Clear		[illegible]	8
9	70.0	29.013	.118	28.895	29.81	61.4	60.0	59	92	.499	66.0	59.9	S	12			.23	8 2	A St St Cu	S S	Cloudy		[illegible]	9
10	72.0	29.264	.124	29.140	30.05	71.0	67.8	67	85	.661	72.0	68.8	SW	12			0	6 2	Ci St Cu	W SW	Cloudy		[illegible]	10
11	69.0	29.427	.117	29.310	30.25	46.2	45.0	44	91	.287	55.4	46.1	NE	7			.20	10	Nb	N	St Rain		[illegible]	11
12	65.5	29.379	.107	29.272	30.22	38.2	35.7	32	79	.180	45.4	35.8	NE	5			0	1	A St	SW	Clear		[illegible]	12
13	65.0	29.475	.106	29.369	30.32	42.3	39.3	35	77	.203	51.0	38.6	NE	2			0	0	0	0	Clear		[illegible]	13
14	67.0	29.187	.110	29.077	30.01	48.5	45.0	42	76	.266	52.7	48.0	E	1			0	10	St	SW	Cloudy		[illegible]	14
15	67.0	29.327	.111	29.216	30.15	51.5	51.5	52	100	.387	60.0	51.0	NW	1			0	Dense	Fog	NW	Foggy		[illegible]	15
16	70.0	29.180	.118	29.062	29.98	55.5	54.0	52	91	.387	60.6	54.8	NW	4			T	10 Lt	St Fog	S NW	Cloudy		[illegible]	16
17	68.0	29.427	.114	29.313	30.26	38.2	36.5	34	86	.195	46.7	36.0	NW	2			0	6	A St	SW	Pt Cloudy		[illegible]	17
18	68.0	29.491	.114	29.377	30.33	38.0	36.7	35	89	.203	49.0	37.0	0	0			0	0	0	0	Clear		[illegible]	18
19	67.0	29.443	.111	29.332	30.27	42.2	40.0	37	83	.219	55.0	42.2	S	1			0	6	A St	W	Pt Cloudy		[illegible]	19
20	67.0	29.467	.111	29.356	30.31	38.0	36.5	34	87	.195	51.7	37.1	NE	9			0	4	A St	W	Pt Cloudy		[illegible]	20
21	67.5	29.103	.111	28.992	29.92	52.1	50.0	48	87	.334	57.3	52.1	W	5			.07	10	St	W	Misting		[illegible]	21
22	67.0	29.363	.111	29.252	30.18	41.7	40.2	39	88	.237	50.2	40.8	SW	4			0	1	A St	SW	Clear		[illegible]	22
23	68.5	29.223	.114	29.109	30.04	46.8	44.3	42	83	.266	52.2	42.1	E	3			0	10	St Cu	N	Cloudy		[illegible]	23
24	69.5	29.294	.117	29.177	30.10	54.0	51.4	49	84	.347	61.7	54.0	E	7			0	5	Cu	NW	Pt Cloudy		[illegible]	24
25	73.0	29.007	.125	28.882	29.79	66.8	64.0	62	86	.555	66.8	61.1	SW	16			T	10	St	S	Cloudy		[illegible]	25
26	72.0	29.230	.124	29.106	30.03	53.2	52.0	51	93	.373	71.3	52.2	W	4			.52	10	Nb	W	St Rain		[illegible]	26
27	68.0	29.173	.113	29.060	29.99	50.6	49.9	49	95	.347	51.0	49.2	E	7			.28	10	St	E	Sprinkling		[illegible]	27
28	65.0	29.216	.105	29.111	30.04	42.9	38.9	34	70	.195	63.0	42.9	W	20	30	W	.76	10	St Cu	NW	Cloudy		[illegible]	28
29	65.0	29.524	.106	29.418	30.38	32.8	31.8	31	90	.172	38.2	31.6	NE	5			0	2	A St	SW	Clear		[illegible]	29
30	65.0	29.342	.105	29.287	30.17	49.4	48.7	48	95	.334	50.2	46.8	NE	5			.13	3 2	A St Cu	W SW	Pt Cloudy		[illegible]	30
31	69.0	29.155	.116	29.039	29.95	68.0	66.0	65	90	.616	69.2	68.0	SW	9	25	S	.01	7 2	St Cu	SW SW	Cloudy		[illegible]	31
Sums		(a)	(a)	904.204	933.04	1609.1	1542.4	1482	2673	11.059	(a)	(a)	(a)	207	(a)	(a)	2.44	170	(a)	(a)	(a)		(a)	
Means		(a)	(a)	29.168	30.098	51.9	49.8	47.8	86.2	.357	(a)	(a)	(c) SW	6.5	(a)	(a)	(a)	5.5	(c) A.St.	(c) W	(a)		(a)	

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Indiana, for the Month of October, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 A. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7.00 P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7.19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Relative humidity.	Vapor pressure.	Self-reg. ther's. Max.	Self-reg. ther's. Min.	Wind. Dir.	Wind. Velocity.	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m.	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light.	Fog, Mid. to Mid. (local standard time). Dense.	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	72.0	29.152	.124	29.028	29.95	66.0	64.7	64	93	.595	71.2	58.8	E	9			.06	0	0	0	Clear	B-8:17a E-10:00a		P.McD.	1
2	76.5	29.080	.134	28.946	29.85	78.2	66.1	59	53	.499	87.0	68.2	SW	15	28	SW	0	0	0	0	Clear			P.McD.	2
3	79.0	29.180	.142	29.038	29.95	77.0	67.5	63	61	.575	85.0	66.0	SW	6			0	Lt	Haze	—	Clear			P.McD.	3
4	79.0	29.185	.142	29.043	29.95	74.0	68.8	67	77	.661	83.2	65.7	SW	10			0	8	St6u	SW	Cloudy			P.McD.	4
5	77.5	29.097	.137	28.960	29.87	68.8	67.8	68	95	.684	72.7	68.6	SW	8			.59	10	St	SW	Cloudy			C.B.S.	5
6	73.5	29.388	.129	29.259	30.19	60.0	50.6	42	51	.266	66.1	55.8	W	5			0	0	0	0	Clear			P.McD.	6
7	72.0	29.417	.125	29.292	30.23	57.8	52.7	49	71	.347	67.0	51.2	NE	5			0	0	0	0	Clear			P.McD.	7
8	71.0	29.178	.121	29.057	29.99	66.0	57.0	51	58	.373	72.6	45.5	E	7			0	5	CiSt	W	Pt. Cloudy			P.McD.	8
9	72.0	29.142	.124	29.018	29.94	72.0	67.3	65	78	.616	75.2	61.4	SW	18	40	SW	T	4	ASt	W	Pt. Cloudy			P.McD.	9
10	72.5	29.375	.125	29.250	30.18	55.4	52.8	51	84	.373	73.4	55.4	NW	11			.29	10	St	NW	Cloudy			P.McD.	10
11	69.5	29.373	.117	29.256	30.19	45.4	43.2	41	84	.256	47.0	44.8	NE	5			.22	0	0	0	Clear			P.McD.	11
12	66.5	29.420	.110	29.310	30.25	51.0	43.0	34	51	.195	56.9	38.2	N	2			0	Few	ASt	SW	Clear			C.B.S.	12
13	67.0	29.327	.111	29.216	30.15	52.7	46.2	40	61	.247	59.6	42.3	E	4			0	8	St	S	Cloudy			P.McD.	13
14	67.0	29.206	.110	29.096	30.03	60.0	56.4	54	80	.417	64.6	48.5	W	6			0	3	St	W	Clear			P.McD.	14
15	69.5	29.262	.117	29.145	30.07	60.6	55.6	52	74	.387	69.0	51.5	NW	5			0	0	0	0	Clear	B-7:30a E-7:57a	B-DNA E-7:30a	P.McD.	15
16	70.0	29.314	.119	29.195	30.13	46.7	44.2	42	83	.266	55.5	45.8	NW	8			.01	10	St6u	NW	Cloudy	B-DNA E-7:18a		P.McD.	16
17	69.5	29.402	.118	29.284	30.22	49.0	43.3	37	63	.219	55.0	38.2	SW	5			0	0	0	0	Clear			P.McD.	17
18	69.0	29.400	.117	29.283	30.22	55.0	47.0	39	55	.237	60.2	38.0	S	4			0	0	0	0	Clear			P.McD.	18
19	68.0	29.479	.114	29.365	30.31	51.7	46.9	42	70	.266	58.8	42.2	NE	9			0	2 3	ASt Cu	W N	Pt. Cloudy			C.B.S.	19
20	67.5	29.233	.112	29.121	30.05	57.3	52.3	48	72	.334	60.8	38.0	SE	6			0	10	St	SE	Cloudy			P.McD.	20
21	67.5	29.210	.112	29.098	30.03	50.2	45.2	40	68	.247	56.0	48.0	W	8			T	10	St	W	Cloudy			P.McD.	21
22	70.0	29.268	.119	29.149	30.08	52.2	47.0	42	68	.266	60.0	41.7	SE	4			0	0	0	0	Clear			P.McD.	22
23	70.0	29.244	.118	29.126	30.06	61.7	58.0	55	80	.432	66.8	46.8	E	6			0	8	St6u	E	Cloudy			P.McD.	23
24	71.0	29.168	.121	29.047	29.97	64.3	59.8	57	77	.465	70.6	54.0	SE	8			0	2	St	SE	Clear			P.McD.	24
25	74.5	29.066	.129	28.937	29.85	71.3	66.3	64	77	.595	79.0	66.8	W	8	27	SW	0	8	St6u	W	Cloudy			P.McD.	25
26	70.0	29.263	.119	29.144	30.07	51.0	50.8	51	99	.373	53.4	51.0	E	7			.08	10	Nb	E	St. Rain			C.B.S.	26
27	69.0	29.036	.115	28.921	29.84	61.2	60.7	60	97	.517	61.2	50.6	SW	8			.17	10	Nb	SW	St. Rain	B-4:31p E-5:06p		P.McD.	27
28	69.0	29.470	.117	29.353	30.30	38.2	36.2	33	83	.187	42.9	37.0	NW	4			0	10	St	NW	Cloudy			P.McD.	28
29	68.5	29.420	.115	29.305	30.25	48.0	45.3	43	82	.277	51.3	32.8	SE	4			.04	10	Nb	SE	St. Rain			P.McD.	29
30	70.0	29.247	.118	29.126	30.05	68.8	67.1	66	92	.638	75.0	49.4	SW	12			.30	9	St6u	SW	Cloudy			P.McD.	30
31	71.5	29.118	.121	28.997	29.92	63.0	62.0	61	95	.536	68.0	63.0	SW	8			.85	10	St.	SW	Cloudy			P.McD.	31
Sums		(a)	(a)	903.365	932.14	1834.5	1691.5	1580	2332	12.346	(a)	(a)	(a)	225	(a)	(a)	2.61	160	(a)	(a)	(a)	4	1	(a)	(a)
Means		(a)	(a)	29.141	30.069	59.2	54.6	51.0	75.2	.398	(a)	(a)	(c) SW	7.3	(a)	(a)	(a)	5.7	(c) St.	(c) SW W	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian normal time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind, for the Month of October, 1919

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.) (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
Wednesday 1	71	56	15	5	64				R	4:50a	8:15a	R	9:58a	10:31a							.22				0	0			1
2	87	64	23	12	76																0				0	0	0	0	2
3	85	65	20	1	75																0				0	0	0	0	3
4	83	64	19	1	74																0				0	0	0	0	4
5	73	66	7	4	70				R	4:30a	5:16a	R	4:27a	10:18a	R	12:27p	12:54p	R	2:29p	3:41p	.60				0	0	0	0	5
6	66	54	12	10	60																0				0	0	0	0	6
7	67	49	18	2	58																0				0	0	0	0	7
8	73	43	30	0	58																0				0	0	0	0	8
9	75	60	15	10	68				R	DNA	6:38a	R	8:31a	8:51a							.23				0	0	0	0	9
10	73	51	22	6	62				R	10:10a	1:04p										.29				0	0	0	0	10
11	51	41	10	16	46				R	12:40a	2:45p										.42				0	0	0	0	11
12	57	36	21	0	46																0				0	0	0	0	12
13	60	39	21	4	50																0				0	0	0	0	13
14	65	48	17	6	56																0				0	0	0	0	14
15	69	51	18	4	60				R	9:50p	11:19p										T				0	0	0	0	15
16	59	40	19	10	50				R	10:21a	10:52a	R	12:11p	2:50p							.01				0	0	0	0	16
17	55	36	19	4	46																0				0	0	0	0	17
18	60	37	23	2	48																0				0	0	0	0	18
19	59	42	17	2	50																0				0	0	0	0	19
20	61	37	24	1	49				R	DNP	—										.02				0	0	0	0	20
21	57	44	13	1	50				R	—	9:17a										.05				0	0	0	0	21
22	60	41	19	0	50																0				0	0	0	0	22
23	67	42	25	4	54																0				0	0	0	0	23
24	71	54	17	8	62																0				0	0	0	0	24
25	79	57	22	6	68				R	4:18a	4:42a	R	6:02a	6:14a							T				0	0	0	0	25
26	57	49	8	15	53				R	DNA	7:38a	R	10:00a	8:26p	R	8:45p	—				.65				0	0	0	0	26
27	62	49	13	3	56				R	—	10:07a	R	3:30p	—							.97				0	0	0	0	27
28	62	35	27	8	48				R	—	DNA										.19				0	0	0	0	28
29	51	32	19	6	42				R	4:10p	—										.15				0	0	0	0	29
30	75	47	28	19	61				R	—	DNA	R	5:05p	6:05p							.32				0	0	0	0	30
31	69	57	12	2	63				R	DNA	DNA	R	7:07a	1:30p	R	2:50p	5:50p	R	7:06p	7:10p	.86				0	0	0	0	31
S	2070	1486	573	175	1773		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	5.05		Total excess or deficiency since January 1,		0	0	(a)	(a)	(a)
M	66.4	47.9	18.5	5.6	57.2	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF OCT 1919, 191

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian normal time. All other data are in the standard of normal time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean .006)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.128	29.141	29.154	29.418	29	28.830	28	0.588	30.098	30.069	30.084	30.38	29	29.74	28	0.64

Corrected mean 29.148 — Corrected mean 30.098 — 3,500-ft ____ — 10,000-ft ____

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
51.9	59.2	55.6	49.8	54.6	52.2	66.4	47.9	57.2				87	2	32	29	55	30	8	7	5

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
47.8	51.0	49.4	86.2	75.2	80.7	.357	.398	.378	0	0	1	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6005	8.1	SW	40	SW	9	1	9	10	5	4	17	8	7	1

WEATHER.

Mean cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.5	5.2	6.2	48	8	8	15	0	2	12

MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
8, 22, 24.	7, 12, 13, 18, 19, 20	29	10, 26, 31	9	10, 14, 19, 20, 21, 29.	8	1, 15, 16, 27	15	3	0	13	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
5.05	1.16	27-28		none			none		7	14	12	8	0	16	0	0	0	0

(w) Maximum precipitation in 5 minutes .20, date 30; 10 minutes .23, date 31; 15 minutes .26, date 30; 30 minutes .32, date 31; 1 hour .61, date 31; 2 hours .72, date 31.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
						None														

* The duration is the time precipitation was actually recorded.

8—154

Prepared by C. O. Schick

P. M. Donough, Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Indiana, for the Month of October, 1919

Number of Station barometer, 656; sum of corrections, −.009 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer. normal time.	Time. Local (standard) normal time.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
30	12:00N	11:00P	67.0	29.321	−.111	29.210	30.13	68.5	64.5	62	6	81	68.5	S	7	7	S	0	8 FEW	Cu St	W S	Cloudy	Called for by C.O.	CBB	30
28	1:02A	12:02A				28.820	29.74	62.0																	28

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Indiana, for the Month of October, 1919

Wind—Number of Miles and Length of Time From. (Standard of normal time in local use, 90th meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
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27																				
28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																				
AVG. HOURLY VELOCITY		a		a		a		a		a		a		a		a		a		a

2—154

Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of November, *1919.*

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -017; date and observation upon which use of station barometer commenced, May 20, 1911 7 am, station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun street/room 911-12; first observation taken in present office, 7 a. m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of November, 1919.

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 P. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90° MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Observed reading.	Total correction.	Station. (Observed reading plus total cor.) (b)	Reduced to sea-level. (b)	Thermometers. Dry. (b)	Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Min. (b)	Wind. Dir.	Velocity. (b) †	Max. during preceding 12 hours.	Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Kind.	Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	69.5	29.116	.116	29.000	29.93	47.1	46.1	45	93	.298	63.0	47.1	N	5			.02	10	Nb	N	St. Rain		P.McD.	1
2	65.5	29.228	.106	29.122	30.06	33.2	32.2	31	90	.172	42.8	33.2	NW	4			0	0	0	0	Clear		P.McD.	2
3	66.5	29.052	.108	28.944	29.88	38.0	36.0	33	83	.187	46.0	36.4	E	4			0	2 7	CiCu StCu	W E	Cloudy		P.McD.	3
4	64.0	28.934	.102	28.832	29.75	41.0	38.[illegible]	34	[illegible]	[illegible]	50.0	41.[illegible]	W	2[illegible]	25	W	.05	10	StCu	W	Cloudy		P.McD.	4
5	61.0	29.320	.095	29.225	30.16	33.0	30.8	28	78	.150	33.3	31.8	W	10	25	W	0	9	StCu	NW	Cloudy		P.McD.	5
6	64.5	29.404	.105	29.29[illegible]	30.2[illegible]	32.0	[illegible]	29	[illegible]	[illegible]	[illegible]	31.0	E	6			0	5 1	ASt St	W E	Pt. Cloudy		P.McD.	6
7	64.0	29.360	.103	29.257	30.20	40.2	39.2	38	92	.228	44.9	40.2	NE	13			.16	10	St	NE	Cloudy		P.McD.	7
8	64.5	29.534	.105	29.429	30.38	39.3	37.8	36	88	.211	43.0	39.0	NE	13			0	10	St	NE	Cloudy		P.McD.	8
9	62.5	29.450	.099	29.351	30.30	39.0	37.6	36	89	.211	42.3	39.0	E	11			T	9	StCu	SE	Cloudy		P.McD.	9
10	64.0	29.116	.102	29.014	29.94	56.0	52.2	49	78	.347	58.0	51.0	SE	14			T	10	Nb	S	St. Rain		P.McD.	10
11	63.0	29.338	.100	29.238	30.17	36.6	34.6	32	83	.180	56.4	36.4	SW	7	2[illegible]	W	0	0	0	0	Clear		P.McD.	11
12	65.5	29.208	.106	29.102	30.04	35.0	33.4	31	85	.172	45.5	34.9	SW	9			0	0	0	0	Clear		P.McD.	12
13	59.0	29.532	.090	29.442	30.41	19.6	18.8	17	88	.089	26.8	19.0	W	10			0	8	StCu	NW	Cloudy		P.McD.	13
14	60.0	29.336	.092	29.244	30.20	26.0	23.4	18	68	.093	26.8	23.0	SW	16			0	FEW	St	SW	Clear		P.McD.	14
15	64.5	29.597	.105	29.492	30.46	23.0	21.2	17	76	.089	31.1	23.0	E	2			0	2 FEW	CiCu St	W E	Clear		P.McD.	15
16	64.5	29.358	.104	29.254	30.20	33.2	30.1	25	70	.130	35.5	31.3	S	9			0	0	0	0	Clear		P.McD.	16
17	64.5	29.242	.104	29.138	30.08	40.0	35.5	29	64	.157	48.0	40.0	SW	7			0	FEW	ASt	NW	Clear		P.McD.	17
18	65.0	29.126	.105	29.021	29.96	36.0	34.4	32	86	.180	50.6	38.0	W	10			0	FEW	St	W	Clear		P.McD.	18
19	65.0	29.392	.106	29.286	30.25	31.8	28.3	23	65	.118	33.0	30.0	NW	5			0	9	StCu	NW	Cloudy		P.McD.	19
20	66.5	29.676	.111	29.565	30.53	29.0	27.0	24	78	.124	34.2	28.6	S	6			0	FEW	ASt	W	Clear		P.McD.	20
21	67.5	29.622	.113	29.509	30.46	38.0	34.6	30	72	.164	39.2	36.0	S	10			0	6 3	StCu St	S S	Cloudy		P.McD.	21
22	65.0	29.285	.105	29.180	30.12	38.0	35.0	31	75	.172	46.0	36.8	W	16	25	SW	.04	10	StCu	W	Cloudy		P.McD.	22
23	65.0	29.023	.104	28.919	29.86	37.2	34.2	30	74	.164	44.4	35.4	SW	10			0	4 2	ASt St	W SW	Pt. Cloudy		P.McD.	23
24	65.0	29.091	.104	28.987	29.94	30.0	28.9	27	88	.143	38.4	29.8	SW	7			0	1	ASt	W	Clear		P.McD.	24
25	66.5	28.872	.108	28.764	29.69	40.2	39.2	38	92	.228	40.8	36.6	S	10			.34	10	Nb	W	Lt. Rain		P.McD.	25
26	68.0	29.253	.113	29.140	30.09	30.3	28.8	26	84	.136	42.5	30.3	NE	18	27	NE	T	10	St	NE	Cloudy		P.McD.	26
27	65.0	29.560	.106	29.454	30.41	27.0	27.0	27	100	.143	31.2	27.0	NE	9			T	Dense	fog	NE	Foggy		P.McD.	27
28	62.5	29.508	.099	29.409	30.37	28.4	27.9	27	94	.143	28.4	26.2	E	8			T	10	Nb	E	Lt. Snow.		P.McD.	28
29	65.0	28.670	.103	28.567	29.49	54.0	52.7	51	92	.373	54.0	34.5	S	16			.50	10	Nb	S	Lt. Rain		P.McD.	29
30	56.0	28.970	-.081	28.889	29.84	21.4	19.9	16	78	.085	39.0	21.2	SW	26	46	SW	T	10	Nb	SW	Lt. Snow		P.McD.	30
31																								31
Sums	(a)	(a)	(a)	875.073	903.42	1053.5	995.5	910	2467	5.235	(a)	(a)	(a)	315	(a)	(a)	1.11	178	(a)	(a)	(a)		(a)	(a)
Means	(a)	(a)	(a)	29.169	30.114	35.1	33.2	30.3	82.2	.175	(a)	(a)	(c) SW	10.5	(a)	(a)	(a)	5.9	(c) Pt.	(c) W	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of November, 1918.

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 A. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 7:00 P. M. 90th MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	70.0	29.114	.118	28.996	29.94	42.8	39.8	36	78	.211	47.1	42.8	NW	7			.06	9	St	W	Cloudy			CCS	1
2	68.5	29.136	.114	29.022	29.96	46.0	42.2	38	73	.228	51.0	32.6	SE	3			0	few	AST	SW	Clear			P.McD.	2
3	70.0	28.930	.118	28.812	29.73	48.8	44.0	39	67	.237	52.8	38.0	S	11			0	3	Cu	SW	Clear			CCS	3
4	67.0	29.130	.110	29.020	29.97	33.3	29.2	22	60	.113	41.0	32.2	W	18	28	W	T	10	St Cu	W	Cloudy			CCS	4
5	68.0	29.389	[illegible]	29.275	30.23	39.6	36.1	32	72	.180	43.7	33.[illegible]	E	[illegible]			0	1	Ci Cu	NW	Clear			CCS	5
6	66.5	29.283	.109	29.174	30.11	44.9	40.7	36	70	.211	47.8	32.0	E	10			0	10	AST	W	Cloudy			CCS	6
7	67.0	29.476	.111	29.365	30.31	43.0	39.5	35	74	.203	45.8	40.2	NE	18			0	10	St	NE	Cloudy			CCS	7
8	64.5	29.493	.105	29.388	30.34	41.2	40.0	39	90	.237	42.1	39.3	NE	8			T	10	St	NE	Cloudy			CCS	8
9	63.0	29.290	.100	29.190	30.12	52.0	49.8	48	86	.334	57.4	39.0	E	8			0	4	St	E	Pt. Cloudy			CCS	9
10	66.0	28.982	.107	28.875	29.80	55.6	53.6	53	88	.402	56.2	53.0	S	24	33	S	.24	10	St	S	Cloudy			CCS	10
11	69.0	29.373	.116	29.257	30.21	45.5	39.0	30	56	.164	51.2	36.6	SE	3			0	0	0	0	Clear			CCS	11
12	67.0	29.470	.111	29.359	30.32	26.8	22.3	12	48	.070	47.0	26.8	W	15	30	W	0	0	0	0	Clear			CCS	12
13	65.5	29.520	.107	29.413	30.38	26.8	22.8	14	53	.077	30.0	19.6	SW	8			0	0	0	0	Clear			CCS	13
14	67.0	29.455	.111	29.344	30.30	31.1	27.5	21	62	.108	41.2	26.0	NW	9			0	0	0	0	Clear			CCS	14
15	67.5	29.483	.113	29.370	30.33	35.5	29.2	18	44	.093	38.3	23.0	SE	5			0	0	0	0	Clear			CCS	15
16	65.6	29.280	.105	29.175	30.12	48.0	41.0	32	54	.180	54.6	33.2	SW	10			0	10	St	SW	Cloudy			P.McD.	16
17	68.0	29.131	.113	29.018	29.96	50.6	45.1	40	66	.247	57.2	40.0	SW	16			0	4	AST	N	Pt Cloudy			CCS	17
18	68.0	29.271	.113	29.158	30.10	33.0	29.0	22	61	.113	46.0	33.0	NW	19	30	NW	0	5	Cu	NW	Pt. Cloudy			CCS	18
19	70.0	29.500	.119	29.381	30.34	34.2	29.7	22	58	.113	36.0	31.8	NW	4			0	7	St Cu	NW	Pt. Cloudy			CCS	19
20	70.0	29.688	.120	29.568	30.53	39.2	34.0	26	59	.136	45.2	29.0	S	6			0	4	Ci St	W	Pt. Cloudy			CCS	20
21	69.0	29.414	.117	29.297	30.25	45.2	43.7	42	89	.266	56.0	38.0	SW	6			.24	10	St	W	Cloudy			CCS	21
22	71.0	29.100	.120	28.980	29.92	44.4	39.2	32	63	.180	50.0	38.0	W	19	28	W	0	2	Ci St	W	Clear			CCS	22
23	64.5	28.954	.103	28.851	29.80	37.4	35.9	33	87	.187	41.0	37.0	W	4			.06	0	0	0	Clear			P.McD.	23
24	70.0	29.100	.118	28.982	29.93	40.8	34.9	26	55	.136	44.6	30.0	SE	7			0	5	AST	W	Pt. Cloudy			CCS	24
25	70.5	29.156	.120	29.036	29.98	42.5	40.5	38	85	.228	47.2	40.2	N	12			T	10	Nb	N	Misting			CCS	25
26	70.0	29.466	.119	29.347	30.31	31.2	29.2	26	79	.136	33.4	30.3	NE	11	27	NE	0	10	St.	NE	Cloudy			CCS	26
27	65.0	29.614	.106	29.508	30.47	28.2	27.7	27	94	.143	28.2	26.8	NE	10			.04	10	Nb	NE	Lt. Snow		8-6:30a E-11:35a	P.McD.	27
28	68.0	29.235	.113	29.122	30.07	34.5	34.0	34	95	.195	34.5	28.4	E	5			.02	10	St	E	Cloudy			CCS	28
29	68.0	28.576	.111	28.465	29.38	39.0	34.2	27	62	.143	59.0	39.0	SW	45	66	SW	.93	10	St. Ch.	SW	Cloudy			CCS	29
30	55.0	29.317	.079	29.238	30.20	24.0	20.8	13	59	.074	25.6	18.8	W	10	32	W	T	0	0	0	Clear			P.McD.	30
31																									31
Sums	(a)	(a)	(a)	874.986	903.41	1185.1	1074.6	913	2089	5.345	(a)	(a)	(a)	335	(a)	(a)	1.59	164	(a)	(a)	(a)	0	1	(a)	(a)
Means	(a)	(a)	(a)	29.166	30.114	39.5	35.8	30.4	69.6	.178	(a)	(a)	(c) SW W	11.2	(a)	(a)	(a)	5.6	(c) St.	(c) W	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian normal time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of November, 1919

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 2 p.m. to 2 p.m. *‡‡	Snow unmelted. 2 p.m. to 2 p.m. *‡‡	Hail, sleet, and snow on ground at 2 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
Saturday 1	57	38	19	15	48				R	6:10a	8:07a	R	10:54a	2:27p							.08				0	0	0	0	1
2	51	33	18	6	42																0				0	0	0	0	2
3	53	36	17	2	44																0				0	0	0	0	3
4	50	32	18	3	41				R	DNA	6:10a	Sm	12:30p	2:19p							.05				0	T	0	T	4
5	44	32	12	3	38																0				0	0	0	0	5
6	48	31	17	2	40				R	9:25p	—										.16				0	0	0	0	6
7	46	40	6	3	43				R	—	DNA										T				0	0	0	0	7
8	42	39	3	3	40				R	9:45a	1:18p										T				0	0	0	0	8
9	57	39	18	8	48				R	DNA	DNA										T				0	0	0	0	9
10	58	46	12	4	52				R	4:15a	11:16a	R	4:11p	6:20p							.24				0	0	0	0	10
11	51	36	15	8	44																0				0	0	0	0	11
12	47	23	24	9	35																0				0	0	0	0	12
13	30	19	11	11	24																0				0	0	0	0	13
14	41	23	18	8	32																0				0	0	0	0	14
15	38	23	15	2	30																0				0	0	0	0	15
16	55	31	24	13	43																0				0	0	0	0	16
17	57	40	17	5	48																0				0	0	0	0	17
18	46	31	15	10	38																0				0	0	0	0	18
19	36	29	7	6	32																0				0	0	0	0	19
20	45	29	16	5	37																0				0	0	0	0	20
21	56	36	20	9	46				R	1:27p	6:12p	R	7:25p	DNP							.28				0	0	0	0	21
22	50	37	13	2	44																0				0	0	0	0	22
23	41	33	8	7	37				R	9:40a	4:30p										.06				0	0	0	0	23
24	45	30	15	1	38																0				0	0	0	0	24
25	47	37	10	4	42				R	1:10a	7:05a	R	6:29p	7:05p							.34				0	0	0	0	25
26	37	28	9	10	32				R	7:05p	9:50p										T				0	0	0	0	26
27	28	26	2	5	27				Sm	9:50a	DNP										.04				0	0.4	0.1	.04	27
28	42	26	16	7	34				Sm	6:30a	10:11a	Sm	11:12a	1:00p							.02				0	0.2	0	.02	28
29	59	30	29	10	44				R	2:15a	10:12a	R	10:35a	11:57a	R	12:07p	2:07p	R	2:54p	4:11p	1.43				0	0	0	T	29
									Sm	9:15p	DNP																		
30	30	19	11	20	24				Sd	DNA	11:30a										T				0	T	0	T	30
31																													31
S	1387	952	435	201	1167		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.70		Total excess or deficiency since January 1,		0	0.6	(a)	(a)	(a)
M	46.2	31.7	14.5	6.7	38.9	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

8—154

SUMMARY FOR THE MONTH OF November, 1919

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian normal time. All other data are in the standard of normal time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean .001.)

STATION.								REDUCED.							
Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
8 a. m.	8 p. m.	Monthly. (g)						8 a. m.	8 p. m.	Monthly. (g)					
29.169	29.166	29.168	29.620	20	28.160	29	1.460	30.114	30.114	30.114	30.58	20	29.06	29	1.52
Corrected mean		29.161						Corrected mean		30.107	3,500-ft.			10,000-ft.	

TEMPERATURE.

Mean. Dry. 8 a. m.	Dry. 8 p. m.	Dry. (8+8)÷2 (g)	Wet. 8 a. m.	Wet. 8 p. m.	Wet. Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
35.1	39.5	37.3	33.7	35.8	34.5	46.2	31.7	39.0				59	29	19	30	40	29	29	2	27

Dew-point. 8 a. m.	Dew-point. 8 p. m.	Dew-point. Monthly. (g)	Relative Humidity. 8 a. m.	Relative Humidity. 8 p. m.	Relative Humidity. Monthly. (g)	Vapor Pressure. 8 a. m.	Vapor Pressure. 8 p. m.	Vapor Pressure. Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	Maximum. 90° or above.	Minimum. 32° or below.	Minimum. Zero or below.
30.3	30.4	30.4	87.2	69.6	75.9	.175	.178	.176	3	0	17	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
8272	11.5	SW	66	SW	29	2	8	9	5	8	12	10	6	0

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.9	5.5	6.1	48	8	8	14	0	1	9

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	0	29, 30	17, 22	0	0	27	0	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.70	1.43	29	0			0			5	10	9	3	1	15	5	2	0.6	0

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt. before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
	Self-registering raingage not exposed after 10 a.m. of 8th.																			

* The duration is the time precipitation was actually recorded.

8—154

Prepared by L. O. S.

P. McDonough, Meteorologist, Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of November, 191 ?

Number of Station barometer, 656; sum of corrections, —.009 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer. normal time.	Time. Local (standard) normal time.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
1"	1:00p	12:00	71.0	29.055	.120	28.9[illegible]	29.87	43.2	42.2	41	2	92	47.1	N	9	10	N	[illegible]	10	Nb	W	Lt. Rain	Called for by C.O.	CAS	1
2"	1:00p	12Noon	68.0	28.967	.112	28.855	29.79	50.0	43.0	35	15	56	5[illegible]	S	7	12	S	0	9	St. Cu	W	Cloudy	Called for by C.O.	CAS	2
4"	1:00p	12Noon	66.5	28.995	.108	28.887	29.83	35.0	30.[illegible]	23	12	59	41.0	W	25	26	W	0	10	St Cu	W	Cloudy	Called for by C.O.	CAS	4
6"	3:00p.	2:00p.	67.0	29.322	.111	29.211	30.15	47.7	41.7	35	13	60	47.7	E	10			0	8 2	a. St. St.	W E	Cloudy	Ordered by C.O.	P.M.S.	6"
9"	3:00p	2:00p	63.0	29.324	.100	29.224	30.15	56.2	50.2	45	11	66	56.2	E	8			0	0	0	0	Clear	Ordered by C.O.	A.M.O.	9"
10"	1:00p	12Noon	66.0	29.012	.107	28.905	29.82	55.5	52.0	50	6	79	56.0	S	30	31	S	.23	10	St-Cu	S	Cloudy	Ordered by C.O.	CAS	10"
28"	1:00p	12Noon	65.5	29.393	.107	29.286	30.25	32.0	31.0	30	2	90	32.0	E	7			T	10	Nb	E	Lt. Snow	Ordered by C.O.	CAS	28
29"	1:00p	12Noon	67.0	28.360	.107	28.253	29.15	59.0	56.5	55	4	86	59.0	S	29	29	S	.56	10	St Cu	S	Cloudy	Ordered by C.O.	CAS	29
29"	4:20p	8:20p	70.0	28.395	.116	28.279	29.19	47.6	42.2	36	12	64	59.0	SW	48	66	SW	.92	10	Nb	SW	Lt. Rain	High Wind	CAS	29
20"	11 a.m.	10 a.m.				29.620	30.58	38.0																	20"
29"	4 p.m.	3 p.m.				28.160	29.06	57.0																	29"

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ....., for the Month of ....., 191

Wind—Number of Miles and Length of Time From. (Standard of normal time in local use, ... meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
3																				
4																				
5																				
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27																				
28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																				
AVG. HOURLY VELOCITY		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*

8—154

Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of December, 1919

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, 3366; No. of wet thermometer in use, 5905; No. of maximum thermometer in use, 15063; No. of minimum thermometer in use, 14249

†Elevation above ground of the dry thermometer, 113 feet; rain gage, 107 feet; anemometer, 124 feet.

If the office has been moved during the month, give date —; amount of change in height of barometer, — feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7 a.m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Power of Berry & Palmer street, room 911-912; first observation taken in present office, 7 a. m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—156

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of December, 1919.

Number of Station barometer, 656; sum of corrections, −.009 inch.

Observations at 8 A. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 2.00 P. M. 90° MERIDIAN NORMAL TIME, the standard of time in local use; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	58.0	29.523	.087	29.436	30.41	20.5	19.0	16	78	.085	24.0	18.8	W	3			0	3	ASt	W	Clear		[illegible]	1
2	63.5	29.582	.102	29.480	30.45	22.8	20.8	16	73	.085	29.2	22.8	N	6			0	10	ASt	N	Cloudy		[illegible]	2
3	65.0	29.785	.107	29.678	30.67	15.8	14.8	12	83	.070	17.3	12.1	SW	6			T	10	St	W	Lt. Snow		[illegible]	3
4	66.5	29.616	.110	29.506	30.48	16.7	15.0	10	72	.063	18.6	16.0	S	7			0	2	Cu	W	Clear		[illegible]	4
5	61.0	29.403	.095	29.308	30.27	27.7	25.7	22	77	.113	30.6	27.7	W	14			0	10	St	W	Cloudy		[illegible]	5
6	66.0	29.070	.107	28.963	29.91	27.8	27.3	27	94	.143	27.8	25.0	E	6			.08	10	Nb	E	Lt. Snow		[illegible]	6
7	64.0	28.735	.101	28.634	29.56	31.0	31.0	31	100	.172	34.8	31.0	SW	18			.02	10	Nb	W	Misting		[illegible]	7
8	60.0	29.255	.092	29.163	30.12	21.6	20.2	17	80	.089	26.2	21.6	NE	8			0	10	St	N	Cloudy		[illegible]	8
9	65.5	29.090	.106	28.984	29.93	29.3	29.3	29	100	.157	29.3	25.7	NE	5			0	10	St	N	Cloudy		[illegible]	9
10	53.0	29.856	.075	29.781	30.78	-2.0	-3.0	-10	64	.022	17.2	-3.5	SW	15	27	W	T	0	0	0	Clear		[illegible]	10
11	57.0	29.686	.085	29.601	30.59	9.5	8.0	1	67	.040	9.5	5.8	E	8			0	7	ASt	W	Pt. Cloudy		[illegible]	11
12	61.0	29.059	.094	28.965	29.91	38.4	36.2	33	82	.187	39.9	35.0	SW	14			0	10	St	SW	Cloudy		[illegible]	12
13	62.0	29.182	.097	29.085	30.03	17.0	15.2	10	71	.063	49.0	17.0	W	10	32	SW	T	10	Nb	W	Lt. Snow		[illegible]	13
14	58.0	29.449	.087	29.362	30.34	5.1	4.7	3	89	.044	18.8	5.1	SW	8			0	2	Cu	W	Clear		[illegible]	14
15	56.0	29.450	.082	29.368	30.35	11.6	11.0	9	88	.060	17.0	11.6	W	16			0	2	ASt	SW	Clear		[illegible]	15
16	59.0	29.536	.090	29.446	30.43	9.6	7.0	-7	43	.026	11.0	7.0	SW	6			0	1	ASt	S	Clear		[illegible]	16
17	64.0	29.480	.103	29.377	30.36	10.7	8.7	0	58	.038	20.2	10.7	N	5			.01	10	StCu	NW	Cloudy		[illegible]	17
18	65.0	29.408	.106	29.302	30.28	8.8	7.4	1	69	.040	10.2	8.8	E	8			.01	10	St	SE	Cloudy		[illegible]	18
19	64.0	29.293	.103	29.190	30.16	16.0	14.6	10	76	.063	16.0	12.6	NE	7			.01	10	St	NE	Cloudy		[illegible]	19
20	67.0	29.562	.111	29.451	30.43	12.6	10.0	-1	49	.036	19.0	10.1	S	6			0	0	0	0	Clear		[illegible]	20
21	66.5	29.445	.110	29.335	30.31	17.5	16.0	12	76	.070	27.4	17.5	S	2			0	2	Cu	0?	Clear		[illegible]	21
22	65.5	29.432	.107	29.325	30.28	23.0	23.0	23	100	.118	25.8	23.0	W	4			T	10	Nb	W	Lt. Snow		[illegible]	22
23	71.0	29.246	.121	29.125	30.08	23.1	23.0	23	99	.118	25.6	21.6	SW	5			0	Dense	Fog	SW	Foggy		[illegible]	23
24	68.0	29.360	.113	29.247	30.21	24.8	22.1	16	66	.085	31.0	24.8	N	15			0	10	St	N	Cloudy		[illegible]	24
25	69.0	29.492	.117	29.375	30.36	10.0	8.0	-1	57	.036	16.2	8.6	S	4			0	1	ASt	SW	Clear		[illegible]	25
26	63.0	28.968	.099	28.869	29.82	30.0	29.5	29	95	.157	30.9	24.2	SW	16			0	10	St	W	Cloudy		[illegible]	26
27	60.0	28.857	.096	28.761	29.71	30.0	28.5	26	84	.136	36.0	30.0	W	14	26	W	0	10	St	NW	Cloudy		[illegible]	27
28	64.0	29.067	.102	28.965	29.92	22.0	19.0	11	59	.066	31.6	22.0	N	5			T	10	St Cu	N	Cloudy		[illegible]	28
29	63.5	29.111	.101	29.010	29.97	18.0	17.0	14	84	.077	20.2	16.2	S	4			0	5	ACu	W	Pt. Cloudy		[illegible]	29
30	60.5	28.988	.093	28.895	29.85	34.2	30.6	25	66	.130	35.9	32.0	W	14	25	SW	0	9	St Cu	NW	Cloudy		[illegible]	30
31	66.5	28.814	.108	28.706	29.65	29.0	25.5	19	61	.098	34.4	25.0	SE	2			0	0	0	0	Clear		[illegible]	31
Sums		(a)	(a)	905.698	935.62	612.1	565.1	476	2360	2687	(a)	(a)	(a)	266	(a)	(a)	0.13	204	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.216	30.181	19.7	18.2	13.7	76.1	.087	(a)	(a)	(c) SW	8.6	(a)	(a)	(a)	6.6	(c) St.	(c) W	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of December, 1919

Number of Station barometer, 656; sum of corrections, -.009 inch.

Observations at 8 A. M. 75TH MERIDIAN NORMAL TIME, which corresponds to 2:00 P. M. 90° MERIDIAN NORMAL TIME, the standard of time in local use; 2:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	66.0	29.518	.109	29.409	30.38	29.2	25.2	17	56	.089	29.7	20.5	NE	7			0	10	St	NE	Cloudy			P.McD.	1
2	70.0	29.778	.120	29.658	30.64	17.3	15.2	9	66	.060	23.8	17.3	N	4			T	0	0	0	Clear			P.McD	2
3	70.5	29.716	.122	29.594	30.57	18.6	16.0	8	60	.057	23.6	15.8	NW	3			T	0	0	0	Clear			P.McD.	3
4	70.0	29.353	.119	29.234	30.19	30.0	26.6	20	63	.103	32.0	16.7	SW	8			0	10	St	0	Cloudy			P.McD.	4
5	70.0	29.476	.119	29.357	30.32	27.5	24.0	16	60	.085	30.0	27.3	E	3			0	9	ASt	W	Cloudy			P.McD.	5
6	70.0	28.694	[illegible]	28.577	29.5[illegible]	34.8	34.2	34	94	.193	34.8	27.8	S	2			.28	10	Nb	S	Lt. Rain			P.McD.	6
7	63.0	29.044	.099	28.945	29.89	26.2	24.0	19	73	.098	31.0	26.2	W	10	25	SW	T	10	St	W	Cloudy			C.O.S.	7
8	70.5	29.285	.120	29.165	30.12	25.7	24.2	22	82	.113	25.7	21.0	NE	10			T	10	St	NE	Cloudy			P.McD.	8
9	65.5	29.370	.107	29.263	30.22	17.2	16.0	12	80	.070	33.4	17.2	W	24	26	W	T	10	St	W	Cloudy			P.McD.	9
10	61.0	29.933	.097	29.836	30.85	7.2	5.0	-7	47	.026	10.2	-2.4	W	6			0	10	St	W	Cloudy			P.McD.	10
11	65.0	29.180	.105	29.075	30.04	35.0	30.2	22	57	.113	35.0	9.5	S	14			0	10	St	S	Cloudy			P.McD.	11
12	66.0	28.912	.107	28.805	29.72	47.8	46.3	45	90	.298	50.0	38.4	SW	17			T	10	Nb	SW	Lt. Rain			P.McD.	12
13	65.5	29.292	.107	29.185	30.14	18.8	17.0	12	72	.070	20.0	14.8	NW	1[illegible]			T	8	StCu	NW	Cloudy			P.McD.	13
14	61.0	29.415	.095	29.320	30.30	14.7	12.1	2	53	.042	16.2	5.1	SW	8			0	0	0	0	Clear			C.O.S.	14
15	63.5	29.620	.102	29.518	30.50	11.0	9.0	0	59	.038	15.0	9.3	W	8	28	W	0	0	0	0	Clear			P.McD.	15
16	67.5	29.364	.112	29.252	30.22	20.2	17.2	8	56	.057	24.1	9.6	NW	5			T	10	Nb	NW	Lt. Snow			P.McD.	16
17	69.0	29.554	.117	29.437	30.42	10.2	9.0	4	74	.047	11.8	9.6	E	4			T	10	St	E(?)	Cloudy			P.McD.	17
18	71.0	29.350	.121	29.229	30.20	13.8	13.3	12	90	.070	15.2	8.8	E	12			.04	10	Nb	E	Lt. Snow			P.McD.	18
19	72.5	29.492	.126	29.366	30.34	19.0	16.2	8	57	.057	21.6	16.0	NE	[illegible]			0	0	0	0	Clear			P.McD	19
20	73.5	29.470	.129	29.341	30.31	27.4	24.4	18	65	.093	29.2	12.4	S	2			0	10	St	0	Cloudy			P.McD.	20
21	68.5	29.448	.115	29.333	30.30	25.8	24.8	23	88	.118	30.3	17.5	NW	5			0	10	St	W	Cloudy			C.O.S.	21
22	75.5	29.408	.134	29.274	30.26	25.6	24.1	22	82	.113	25.6	22.0	SW	5			T	10	St	SW	Cloudy	B-9:16a E-6:10p		P.McD.	22
23	72.5	29.176	.125	29.051	30.01	26.4	25.9	25	94	.130	27.2	23.1	W	9			T	10 Lt	St Fog	W W	Cloudy	B-DNH E-6:20a B-6:20a E-10:30a E-DNH	B-6:20a E-10:30a	P.McD.	23
24	75.0	28.654	.133	29.521	30.41	16.5	17.8	13	76	.060	24.8	16.2	NW	6			T	0	0	0	Clear			P.McD.	24
25	67.0	29.188	.110	29.078	30.04	26.5	27.0	13	70	.078	28.6	10.0	S	12			0	6	ASt	NW	Pt. Cloudy			[illegible]	25
26	66.0	28.987	.107	28.880	29.83	36.0	33.2	29	75	.137	37.0	30.0	SW	15			T	10	St	SW	Cloudy			P.McD.	26
27	67.5	28.950	.111	28.839	29.78	31.6	[illegible]	31	95	.172	31.6	30.0	W	[illegible]			0	10	St	W	Cloudy			P.McD.	27
28	65.5	29.203	.106	29.097	30.06	18.6	16.0	8	60	.057	23.0	18.6	NE	4			T	3	StCu	N	Clear			C.O.S.	28
29	67.0	28.792	.109	28.683	29.63	32.0	31.2	30	92	.164	32.0	18.0	SW	24	28	SW	.03	10	St	SW	Cloudy			P.McD.	29
30	68.5	29.124	.114	29.010	29.96	34.4	29.7	22	58	.113	36.8	34.2	S	5			0	5	StCu	NW	Pt. Cloudy			P.McD.	30
31	73.0	28.804	.124	28.680	29.62	35.4	32.4	28	73	.150	44.3	26.3	NW	6			0	2	St Cu.	NW	Clear			P.McD.	31
Sums	(a)	(a)	(a)	904.922	934.74	760.1	692.5	528	2217	3.116	(a)	(a)	(a)	262	(a)	(a)	0.35	223	(a)	(a)	(a)	2	1	(a)	(a)
Means	(a)	(a)	(a)	29.191	30.153	24.5	22.3	17.0	71.5	.101	(a)	(a)	(c) SW NW	8.5	(a)	(a)	(a)	7.2	(c) St.	(c) W	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian normal time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of December, 1919.

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
Monday 1	30	19	11	0	24																0				0	0	0	0	1
2	28	14	14	3	21				S^d	7:07a	11:18a										T				0	T	0	T	2
3	24	12	12	3	18				S^d	5:58a	8:47a										T				0	T	0	T	3
4	32	16	16	6	24																0				0	0	0	0	4
5	31	26	5	4	28																0				0	0	0	0	5
6	35	25	10	2	30				S^d	DNA	8:17a	R	8:17a	—							.37				0	1.0	T	.08	6
7	34	26	8	0	30				R	—	8:18a	S^d	8:18a	11:30a							ø .01				0	T	T	T	7
8	26	21	5	6	24				S^d	10:02a	10:14a										T				0	T	T	T	8
9	33	6	27	4	20				S^m	4:50p	5:45p	S^d	7:00p	DNP							T				0	T	T	T	9
10	10	-4	14	17	3																0				0	T	T	0	10
11	40	6	34	20	23																0				0	0	0	0	11
12	50	35	15	19	42				R	5:40p	DNP										T				0	0	0	0	12
13	35	14	21	18	24				S^d	DNA	11:52a										T				0	T	0	T	13
14	16	5	11	14	10																0				0	0	0	0	14
15	17	9	8	3	13																0				0	0	0	0	15
16	24	7	17	3	16				S^d	6:30p	DNP										.01				0	T	T	.01	16
17	18	9	9	2	14				S^d	7:30a	8:20a	S^d	7:02p	—							ø T				0	0.2	0.1	ø T	17
18	15	9	6	2	12				S^d	—	DNA	S^d	7:14a	DNP							ø .06				0	0.8	0.9	ø .06	18
19	22	12	10	5	17																0				0	0.2	0.6	0	19
20	29	10	19	3	20																0				0	0	0.2	0	20
21	30	18	12	4	24																0				0	0	0.1	0	21
22	26	22	4	0	24				S^d	DNA	12:07p										T				0	T	T	T	22
23	31	22	9	2	26				S^m	11:45a	11:55a										T				0	T	T	T	23
24	31	12	19	4	22				S^d	10:45a	11:10a										T				0	T	T	T	24
25	29	9	20	3	19																0				0	0	T	0	25
26	37	29	8	14	33				R	7:25a	9:40a										T				0	0	0	0	26
27	34	29	5	1	32				S^d	9:00p	10:00p										T				0	0	0	T	27
28	29	16	13	10	22				S^d	7:07a	11:55a										T				0	T	0	T	28
29	36	17	19	4	26				S^d	12:05p	4:30p										.03				0	0.4	0.4	.03	29
30	37	28	9	6	32																0				0	0	0	0	30
31	44	25	19	2	34				S^m	11:00p	— — —										T				0	0	0	T	31
S	413	504	409	184	707		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.48		Total excess or deficiency since January 1,		0	2.6	(a)	(a)	(a)
M	29.5	16.3	13.2	5.9	22.8	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

ø Estimated

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SUMMARY FOR THE MONTH OF December, 1919

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian normal time. All other data are in the standard of normal time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean .006)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.216	29.191	29.204	29.870	10	28.530	7	1.340	30.181	30.153	30.167	30.89	10	29.46	7	1.43
Corrected mean		29.198						Corrected mean		30.161	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
19.7	24.5	22.1	18.2	22.3	20.2	29.5	16.3	22.9				50	12	-4	10	54	34	11	4	22

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
13.7	17.0	15.4	76.1	71.5	73.8	.087	.101	.094	20	0	30	1

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
7061	9.5	W	32	SW	12	5	7	6	1	10	14	13	6	0

WEATHER.

Mean cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
6.6	7.2	6.7	32	7	6	18	0	1	4

MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
Not recorded			0	0	0	5	22,23	23	19	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
0.48	0.38	6-7	0			0			14	5	2	1	0	19	17	4	2.6	0

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Tipping bucket gage not exposed during the month																				

* The duration is the time precipitation was actually recorded. ⊗ D.N.a of 6th to D.N.a of 7th

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Prepared by C. A. Schick

P. M. Donough Meteorologist, Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of December, 1917

Number of Station barometer, 656; sum of corrections, -.009 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer. normal time.	Time. Local (standard) normal time.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
2	1:00p	12 Noon	67.5	29.676	.114	29.562	30.53	22.2	19.0	10	12	56	22.8	N	11			T	7	ASt	N	Pt. Cloudy	Ordered by C.O.	CWS	2
9	1:00p	12 Noon	65.0	29.130	.105	29.025	29.97	32.9	31.9	31	2	90	32.9	SW	6			0	10	St	N	Cloudy	Ordered by C.O.	CWS	9
12	1:00p	12 Noon	66.0	28.985	.107	28.878	29.82	45.0	41.0	36	9	71	45.0	S	18	24	S	0	9 FEW	ASt St	SW S	Cloudy	Ordered by C.O.	CWS	12
15	12 Noon	11:00A	60.0	29.533	.093	29.440	30.42	13.4	10.0	-6	19	37	13.4	W	26	27	W	0	1	Cu.	NW	Clear	Ordered by C.O.	CWS	15
7	1:45 a	12:45 a				28.530	29.46	34.0																	7
10	6:00 p	5:00 p.				29.870	30.89	7.0																	10

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ....., for the Month of ....., 191

Wind—Number of Miles and Length of Time From. (*Standard of normal time in local use, ... meridian.*)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
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28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																				
AVG. HOURLY VELOCITY		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*

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Form No. 1002—Met'l.

U. S. Department of Agriculture,
WEATHER BUREAU.

ANNUAL METEOROLOGICAL SUMMARY

FOR

1919

STATION

Fort Wayne, Ind.

LOCATION OF OFFICE DECEMBER 31, 1919

Street, Corner Calhoun and Berry

Number, 911-912 Shoaff Building

Room, 911-912

SUM OF BAROMETER CORRECTIONS.

From 8 00 a *m.* Jan. 1 *to* 8 00 p *m.* Dec. 31, *inc.,* -.00 *in.*

From — *m.* — *to* — *m.* —, *inc.,* — *in.*

From — *m.* — *to* — *m.* —, *inc.,* — *in.*

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NOON, LOCAL MEAN TIME, OBSERVATION. *

AVERAGES.

Month.	Temperature. Dry.	Temperature. Wet.	Dew-Point.	Relative Humidity.	Vapor Pressure.	Clouds. Amount.	Clouds. Most Frequent Kind.	Clouds. Prevailing Direction.	Velocity (mph.).
Jan.,	35.1	30.9	24	64	.136	5.3	a St.	NW	
Feb.,	34.5	30.9	24	67	.138	7.8	St. Cu.	W.	
Mar.,	43.9	37.5	28	56	.169	5.5	a St.	W	
April,	53.8	46.3	38	58	.247	6.9	St. Cu.	W	
May,	62.8	53.2	45	56	.314	5.7	Cu. St. Cu.	W	
June,	81.2	67.6	60	50	.537	4.5	Cu	W	
July,	84.6	67.6	58	42	.496	3.3	Cu.	SW	
Aug.,	78.3	63.8	54	46	.445	4.9	Cu.	W	
Sept.,	75.1	60.8	50	46	.391	4.6	Cu.	W	
Oct.,	62.6	55.3	50	65	.387	5.7	Cu	SW W	
Nov.,	42.8	37.7	31	63	.181	6.1	Cu. St. Cu.	W.	
Dec.,	25.5	22.8	16	67	.097	6.7	St.	W	
Sum,	680.2	574.4	478	680	3.533	67.0			
Mean,	56.7	47.9	40	57	.294	5.6	Cu.	W	

(1) * These observations were taken at 12.38 p.m. local mean time.

ANNUAL METEOROLOGICAL SUMMARY FOR 1919.—STATION Fort Wayne, Ind.

Latitude N. 41° 5'. Longitude W. 85° 10'. Local time ___ h. 41 min. (t) Slower than 75th meridian normal time.

MONTH.	STATION PRESSURE. (Corrected for temperature, instrumental error, gravity, and removal.) Station Elevation of Barometer Cistern Above Mean Sea-Level, 856 Feet. Mean. 8 a. m. (c)	Mean. 8 p. m. (c)	Mean. Corrected monthly. (c)	Highest observed. (c)	Date.	Lowest observed. (c)	Date.	Absolute range. (c)	TEMPERATURE. Elevation of Dry Thermometer Bulb Above Ground on Dec. 31, 113 Feet. Mean. 8 a. m. (d)	Mean. 8 p. m. (d)	From Self-Registering Instruments. Mean. Max. (d)	Mean. Min. (d)	Mean. Monthly. (d)	Highest. (e)	Date.	Lowest. (e)	Date.	Range. Absolute. (e)	Range. Mean daily. (d)	Mean daily change. (d)	No. of Days. Max. 32° or below.	Max. 90° or above.	Min. 32° or below.
	In.	In.	In.	In.		In.		In.	°	°	°	°	°	°		°		°	°	°			
Jan.,	29.154	29.150	29.147	29.550	12	28.660	1	0.890	27.5	32.9	38.9	23.9	31.4	57	21	-4	4	61	15.0	5.6	7	0	26
Feb.,	29.059	29.042	29.045	29.660	19	28.240	13	1.420	27.7	32.0	37.9	23.9	30.9	55	12	9	26	46	14.0	5.5	7	0	22
Mar.,	29.266	29.240	29.248	29.676	22	28.530	9	1.146	33.8	41.3	47.5	29.7	38.6	69	25	12	1	57	17.8	7.0	2	0	24
April,	29.110	29.080	29.090	29.438	24	28.580	10	0.858	44.0	51.4	57.4	39.7	48.6	80	9	19	1	61	17.7	5.1	0	0	6
May,	29.040	29.005	29.017	29.370	5	28.570	1	0.800	52.6	60.6	66.7	47.8	57.2	92	31	39	13	53	18.9	3.9	0	2	0
June,	29.186	29.146	29.162	29.440	13	28.849	24	0.591	69.3	76.3	84.4	64.6	74.5	93	19	51	28	42	19.8	2.8	0	6	0
July,	29.141	29.073	29.104	29.382	1	28.900	10	0.482	70.2	82.2	88.2	64.9	76.6	94	4	57	11	42	23.3	3.5	0	14	0
Aug.,	29.083	29.040	29.058	29.363	11	28.850	4	0.513	64.6	74.4	81.5	60.8	71.2	95	4	53	28	42	20.7	3.4	0	4	0
Sept.,	29.158	29.115	29.131	29.360	2	28.610	19	0.750	61.1	70.7	77.8	57.4	67.6	93	9	42	26	51	20.4	4.6	0	3	0
Oct.,	29.168	29.141	29.141	29.418	29	28.830	[illegible]	0.588	51.9	59.2	66.4	47.9	57.2	87	2	37	29	55	18.5	5.6	0	0	1
Nov.,	29.169	29.166	29.161	29.620	20	28.160	29	1.460	35.1	39.5	46.7	31.7	39.0	59	29	19	30	40	14.5	6.7	3	0	17
Dec.,	29.216	29.191	29.198	29.870 a	10 a	28.530 a	7 a	1.340	19.7	24.5	29.5	16.3	22.9	50 a	12 a	-4 a	10 a	54	13.2	5.9	20	0	30
Sum,	349.750	349.389	349.509	Highest.	Date.	Lowest.	Date.	10.838	557.5	645.0	722.4	568.6	615.7	Max.	Date.	Min.	Date.	604	213.8	59.6	39	29	123
Mean,	29.146	29.116	29.126	29.870	10 Dec.	28.160	29 Nov.	0.903	46.5	53.8	60.2	42.4	51.3	95	Aug. 4	-4	Jan. 4	50	17.8	5.0	a	a	a

a Omit data from this space. c To thousandths. d To tenths. e To whole numbers. t Enter the word "faster" or "slower," as the case may be.

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MONTH.	CORRECTED MEAN MONTHLY REDUCED PRESSURES AND MEAN MONTHLY REDUCED TEMPERATURES. Sea-Level. Pressure. (c)	Sea-Level. Temperature. (d)	3,500-foot. Pressure. (b)	3,500-foot. Temperature. (d)	10,000-foot. Pressure. (b)	10,000-foot. Temperature. (d)	DEW-POINT. Mean. 8 a. m. (e)	Mean. 8 p. m. (e)	Mean. Monthly. (e)	RELATIVE HUMIDITY (Percentage). Mean. 8 a. m. (e)	Mean. 8 p. m. (e)	Mean. Monthly. (e)	VAPOR PRESSURE. Mean. 8 a. m. (c)	Mean. 8 p. m. (c)	Mean. Monthly. (c)	PRECIPITATION. (Amount in inches and hundredths.) Elevation of Top of Gage Above Ground Dec. 31, 1907 Feet. Total Amount.	Greatest Amount in any 24 Consecutive Hours. Amt.	Greatest Amount in any 24 Consecutive Hours. Date.	Excessive. 2.50 inches in 24 hours. (g) (h) Amt.	Excessive. 2.50 inches in 24 hours. (g) (h) Dur't'n. (h. & m.)	Excessive. 2.50 inches in 24 hours. (g) (h) Date.	Excessive. 1 inch per hour. (g) Amt.	Excessive. 1 inch per hour. (g) Dur't'n. (h. & m.)	Excessive. 1 inch per hour. (g) Date.	SNOWFALL (total depth).
	In.	°	In.	°	In.	°	°	°	°	%	%	%	In.	In.	In.	In.	In.		In.			In.			In.
Jan.,	30.101						23	25	24	80	71	76	.128	.139	.134	0.72	0.55	22-23	0			0			0.4
Feb.,	29.997						23	25	24	81	74	78	.127	.137	.132	1.51	0.50	13-14	0			0			3.5
Mar.,	30.197						28	31	29	79	67	73	.165	.178	.172	5.34	2.43	15	0			0			6.4
April,	30.024						36	39	38	75	65	70	.226	.250	.238	2.54	1.00	30 & May 1	0			0			0
May,	29.939						46	46	46	78	63	70	.314	.328	.321	4.77	1.25	16	0			0			0
June,	30.074						62	62	62	77	63	70	.562	.568	.565	2.23	1.19	6-7	0			0			0
July,	30.008						60	58	59	70	46	58	.520	.498	.509	2.68	1.43	31	0			1.13	0.50	31	0
Aug.,	29.970						58	56	57	79	54	66	.489	.457	.473	1.61	0.58	16	0			0			0
Sept.,	30.050						53	52	52	75	54	65	.416	.408	.412	2.61	1.84	21	0			0			0
Oct.,	30.13						48	51	49	86	75	81	.357	.398	.378	5.05	1.16	27 28	0			0			
Nov.,	30.107						30	30	30	82	70	76	.175	.178	.176	2.70	1.43	29	0			0			0.6
Dec.,	30.161						14	17	15	76	72	74	.087	.101	.094	0.48	0.38	6-7	0			0			2.6
Sum,	360.706						481	492	485	938	774	857	3.566	3.640	3.604	32.24	a	a	a	a	a	a	a	a	13.5
Mean,	30.059						40	41	40	78	64	71	0.297	0.303	0.300	a	2.43	Mar. 15	a	a	a	a	a	a	a

b To hundredths. g No entry unless the precipitation actually equaled or exceeded 2.50 inches in 24 consecutive hours, or 1 inch per hour, as the case may be. h The duration is the time precipitation was actually recorded.

Station Fort Wayne, Ind.

Month.	Mean Cloudiness. (0 to 10.) 8 a.m. (d)	8 p.m. (d)	Monthly. (d)	Hours of Sunshine. Total.	Possible.	Percentage.	Wind. Elevation of Anemometer Cups Above Ground Dec. 31, 124 Feet. Total Movement in Miles.	Prevailing Direction.	Maximum Hourly Velocity During Month. Miles.	From.	Date.	No. of Days with 40 Miles and Over. (h)	Direction. Number of Times Observed Blowing from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	No. of Calms.	Number of Days. Clear.*	Partly Cloudy.*	Cloudy.*	Precipitation. .01 inch and over.	.04 inch and over.	Snow, trace and over.	Snow, .01 inch and over.	Hail.	Dense Fog.	Thunderstorms.	Auroras.
Jan.,	5.3	3.6	5.3	164.6	298.2	55	8151	SW	36	SW	10	0	0	2	3	3	5	32	12	5	0	10	12	9	5	3	7	2	0	0	2	0
Feb.,	5.6	6.0	7.0	124.9	298.2	42	6258	W	47	SW	28	2	0	1	13	2	8	7	13	12	0	4	10	14	12	8	11	6	1	2	1	0
Mar.,	4.7	4.6	5.3	254.1	370.8	69	7704	NE	40	SW	17	1	7	12	10	3	8	10	5	7	0	11	10	10	12	10	7	4	0	0	1	0
April,	6.3	5.7	6.4	219.2	399.9	55	7841	SW	36	SW	9	0	1	7	9	1	9	12	8	13	0	6	11	13	11	11	0	0	1	0	4	0
May,	5.9	6.1	5.8	200.7	449.0	45	6804	NE	34	S	3	0	8	14	15	2	5	6	7	5	0	11	7	13	9	8	0	0	0	0	4	0
June,	3.5	4.7	4.5	344.5	452.0	76	4659	NE	31	SW	2	0	6	13	13	3	8	9	5	3	0	11	15	4	11	6	0	0	0	0	9	0
July,	3.5	2.7	3.2	367.2	458.3	80	5542	SW	31	W	13	0	6	12	8	4	4	16	3	9	0	18	10	3	6	6	0	0	0	0	6	0
Aug.,	3.6	3.5	4.5	313.0	426.9	73	5952	SW	27	NW	5	0	6	9	2	0	7	15	9	14	0	10	18	3	8	7	0	0	1	0	8	0
Sept.,	4.5	3.9	4.6	250.9	374.0	67	5994	SW	32	NW	11	0	9	7	2	3	8	13	6	11	1	12	11	7	5	5	0	0	0	0	3	0
Oct.,	5.5	5.2	6.2	164.5	344.1	48	6005	SW	40	SW	9	1	1	9	10	5	4	17	8	7	1	8	8	15	14	12	0	0	0	1	3	0
Nov.,	5.9	5.5	6.1	143.0	297.0	48	8272	SW	66	SW	29	2	2	8	9	5	8	12	10	6	0	8	8	14	10	9	~~4~~ 5	2	0	1	0	0
Dec.,	6.6	7.2	6.7	91.8	287.3	32	7061	W	32	SW	12	0	5	7	6	1	10	14	13	6	0	7	6	18	5	2	17	4	0	1	0	0
Sum,	60.9	58.7	65.6	2638.4	4465.7	690	80243	a	a	a	a	6	51	101	100	32	84	163	99	98	2	116	126	123	108	87	47	18	3	5	41	0
Mean,	5.1	4.9	5.5	219.9	371.3	58	a	SW	j 66	j SW	j Nov. 29	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a

h Days with 40 miles per hour and over. j One entry only. * From sunrise to sunset.

Standard of normal time in local use, 90 meridian.

MONTH.	WIND. Mean Hourly Velocity. 1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	12 Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	12 Mid't.	For the Month.	
Jan.,	10.0	9.7	9.8	9.7	9.7	10.2	10.0	10.2	10.8	11.6	12.2	12.7	13.5	13.8	13.0	12.4	10.6	10.1	10.2	11.0	10.8	10.5	10.3	9.8	11.0	
Feb.,	7.7	7.8	7.6	7.3	7.5	8.1	7.8	8.5	9.2	9.9	10.5	10.2	10.8	10.9	11.0	11.3	10.7	10.4	10.0	9.7	9.4	9.3	9.0	9.0	9.3	223.6
Mar.,	9.1	9.1	9.3	9.0	9.1	9.2	9.2	10.2	11.1	11.9	12.8	12.3	12.3	12.5	12.4	12.1	11.1	9.5	9.2	9.5	9.5	9.4	9.7	9.1	10.4	[illegible]
April,	9.5	9.4	8.5	8.6	8.6	8.5	9.5	11.4	12.7	13.1	13.3	12.5	13.2	13.4	13.5	13.4	12.8	11.8	10.4	9.6	9.3	9.3	9.3	9.9	10.9	[illegible]
May,	7.0	7.6	7.5	7.6	7.9	8.2	8.4	9.8	9.7	10.5	10.9	10.8	11.5	12.5	11.9	11.5	11.1	9.7	8.3	7.5	7.2	7.5	7.5	7.2	9.1	[illegible]
June,	5.3	5.0	4.6	4.9	4.9	4.8	5.6	6.0	6.8	7.5	8.2	7.4	7.8	8.8	9.4	9.1	8.7	7.7	6.1	5.0	5.1	5.6	5.3	5.5	6.5	
July,	5.8	5.7	5.8	5.7	5.6	5.9	6.6	7.6	8.0	8.6	8.9	9.0	9.2	10.1	10.8	10.2	10.0	8.8	~~7.0~~ 6.9	6.0	6.0	6.0	5.6	5.7	7.4	
Aug.,	6.0	5.9	6.0	6.0	5.7	6.2	6.5	7.3	8.5	9.4	10.5	10.3	11.2	11.6	11.5	11.1	10.3	8.4	6.9	7.0	6.9	6.4	6.2	6.4	8.0	
Sept.,	5.9	6.4	6.3	6.5	6.6	6.5	6.7	7.4	8.8	10.2	11.2	11.6	11.7	12.3	12.2	11.6	10.1	8.4	6.8	6.4	6.5	6.7	6.5	6.5	8.3	
Oct.,	7.6	7.8	7.7	7.5	6.9	7.0	6.4	7.3	7.9	8.5	9.4	9.8	10.4	10.2	10.0	9.0	7.9	7.3	7.2	7.6	7.5	7.5	7.7	7.7	8.1	
Nov.,	10.0	10.5	10.3	10.4	10.6	10.5	10.7	11.2	12.2	12.7	13.3	13.7	13.4	13.6	13.0	12.7	11.5	11.0	10.9	11.1	10.6	10.6	10.9	10.4	11.5	
Dec.,	9.6	9.5	9.4	9.3	9.3	9.2	8.5	9.1	9.2	9.7	10.5	10.4	10.2	10.4	10.5	10.2	9.3	8.8	8.6	9.6	9.1	8.9	9.3	9.5	9.5	
Sum,	93.5	94.4	92.8	92.5	92.4	94.3	95.9	106.0	114.9	123.6	131.7	130.7	135.2	140.1	137.2	134.6	124.1	111.9	101.5	100.0	97.9	97.7	97.3	96.7	110.0	
Mean,	7.8	7.9	7.7	7.7	7.7	7.9	8.0	8.8	9.6	10.3	11.0	10.9	11.3	11.7	11.6	11.2	10.3	9.3	8.5	8.3	8.2	8.1	8.1	8.1	9.2	

Station Fort Wayne, Ind. Standard of normal time in local use, 90° meridian.

MEAN HOURLY ATMOSPHERIC TEMPERATURE.—(By Richards' Thermograph.)

MONTH.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	12 Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	12 Mid't.	FOR THE MONTH.
Jan.,																									
Feb.,																									
Mar.,																									
April,																									
May,																									
June,																									
July,																									
Aug.,																									
Sept.,																									
Oct.,																									
Nov.,																									
Dec.,																									
Sum,																									
Mean,																									

Prepared by P. McDonough *Weather Bureau.*

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Standard of normal time in local use, 90° meridian.

MONTH.	WIND—NUMBER OF MILES AND LENGTH OF TIME FROM—																			
	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.
January,																				
February,																				
March,																				
April,																				
May,																				
June,																				
July,																				
August,																				
September,																				
October,																				
November,																				
December,																				
Sum,																				
Percentage,																				
Average hourly velocity,		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 1 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	39	42	41	44	41	40	37	35	35	35	34	32	30	30	28	26	25	23	22	21	20	18	17
State of weather: Nature of precipitation and time of beginning and ending	–	–	–	–	RE 2N —				RB 820	– –	– –	– –	RE 12:10								SCB 845	– –	– –	– –
Amounts of precipitation																								
Cloudiness and other conditions						←					Cloudy													→
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	E	E	E	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	W	SW	W	SW	SW	SW	W	W	W	W	W
Wind movement	6	3	2	12	12	14	17	21	16	12	16	23	23	23	24	25	21	22	23	22	19	17	14	13
Maximum velocities (exceeding 29 miles) direction and time												30 SW 11:38	30 SW 12:17	31 SW 1:37		30 W 3:42								

Sunrise: Time, 7:06 Character, Cloudy
Moonrise: 6:24a

Sunset: Time, 4:23 Character, Cloudy
Moonset: 4:02p

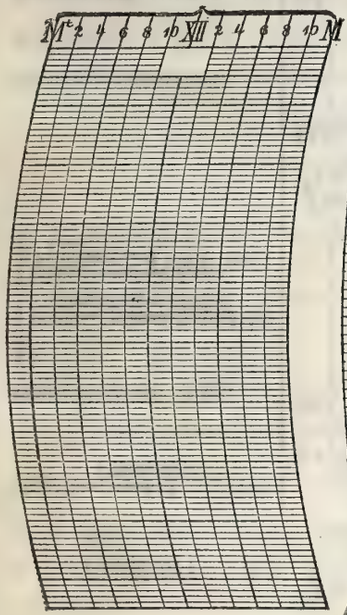
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	17	30	✓

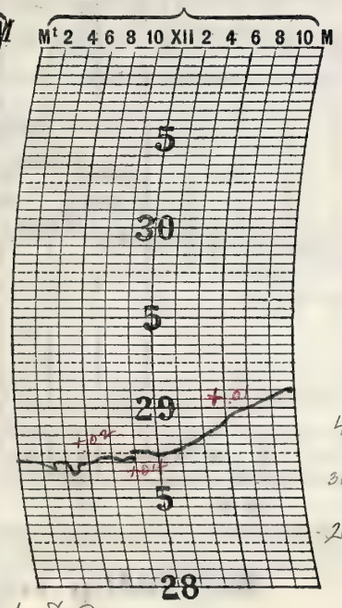
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 06 ins.; to 7 p. m., 10 ins.
Total precipitation, midnight to midnight, 13 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 400
Average hourly velocity, 16.7 Extreme velocity, 34
Maximum velocity, 31 Direction, SW
Time began, 1:15 p.m.
Reduced barometer, 29.67 7 a. m. 29.93 7 p. m.
River gage, 5.2 ft
Relative humidity, 92 7 a. m. 73 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 p.m.
(Local Mean Time.)
Dry temperature, 33.0 Wet temperature, 31.4
Dew-point, 29 R. humidity, 84 V. pressure, .157
Clouds: Amount, 10; Kind, St. Cu; Direction, W
Velocity of clouds (miles per hour)

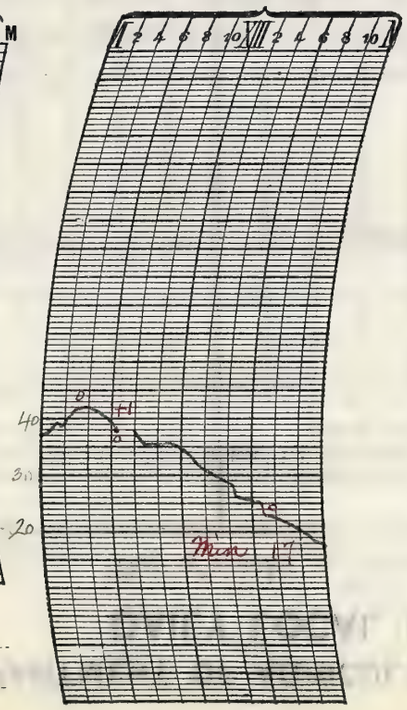
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by H. S. Baker
Verified by O. M. Donough

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NOTES.

Estimated

Cloudy with rain in the first half of the day and snow flurries in the late night. Moderately high temperatures prevailed during a considerable part of the day, but the night was quite cool, the temperature falling slowly and steadily after the cessation of precipitation.

A cold wave warning was received at 10:40 a.m., the flag hoisted immediately and interests advised by phone. The cold wave flag was lowered at sunset.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 2 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	15	15	15	15	15	15	14	14	14	15	16	15	13	12	14	15	15	15	14	11	10	8	7	6
State of weather: Nature of precipitation and time of beginning and ending	–	–	–	–	–	–	–	–	–	–	–	–	–	Sd E 1:50										
Amounts of precipitation																								
Cloudiness and other conditions														Cloudy						Cldy	X	Clear		

Sunrise: Time, 7:06 Character, Cloudy
Moonrise: 6:59a

Sunset: Time, 4:24 Character, Cloudy
Moonset: 5:04p

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	W	W	W	W	W	W	W	SW	W	W	W	W	W	W	W	W	SW	SW	W	W	W	W	W	W
Wind movement	14	13	13	13	11	10	10	11	11	10	12	3	13	14	10	12	9	9	11	15	16	17	18	11
Maximum velocities (exceeding 29 miles) direction and time																								

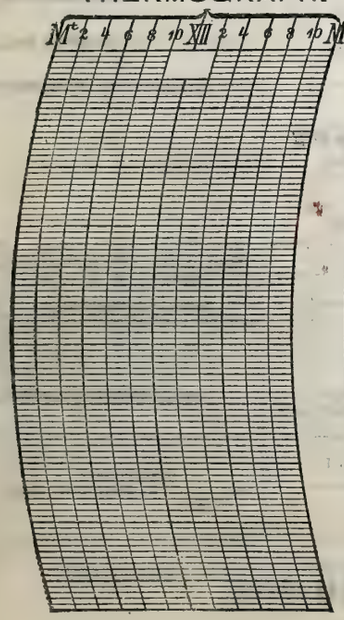
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
17	6	12	

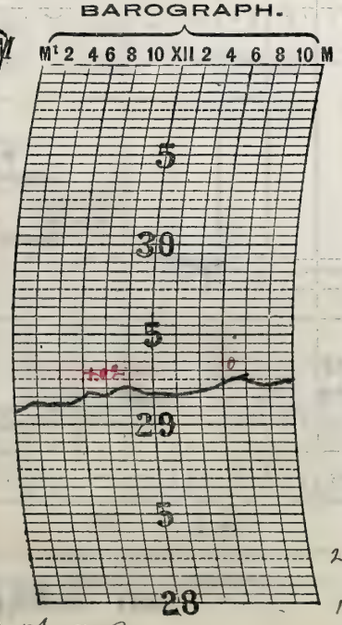
Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow, sleet, and hail on ground 7 p. m., 0.1 inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase, New Moon, 2:24 am
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 299
Average hourly velocity, 12.5 Extreme velocity, 25
Maximum velocity, 23 Direction, W
Time began, 10:42 p.m.
Reduced barometer, 30.18, 7 a. m. 30.22, 7 p. m.
River gage, 5.0 ft
Relative humidity, 92 7 a. m. 60 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 15.4 Wet temperature, 13.9
Dew-point, 9 R. humidity, 74 V. pressure, .060
Clouds: Amount, 10; Kind, Nb; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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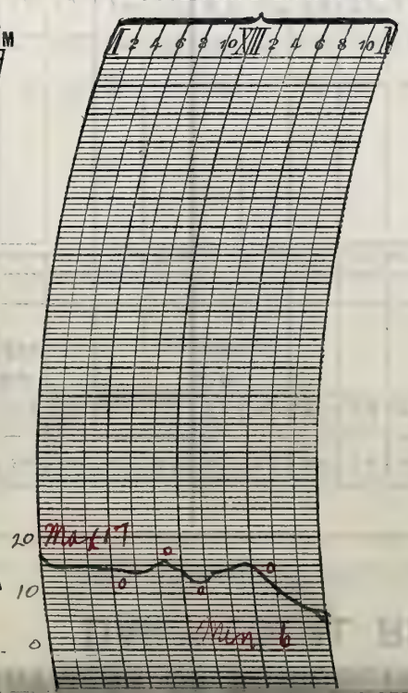


Prepared by H. S. Bazer
Verified by F. McDonough

NOTES.

* Estimated

The forenoon and a considerable part of the afternoon were cloudy, with snow until 1:50 p.m.; night mostly clear.

Intensely cold, with a moderate cold wave, although the temperature did not quite fall to the verifying temperature within the 36 hour period.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 3 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	3	1	0	0	-1	-1	0	0	1	2	2	5	5	4	4	3	2	2	1	2	2	3	3	2
State of weather: Nature of precipitation and time of beginning and ending											Sd B 10:25	Sd E 11:10												
Amounts of precipitation																								
Cloudiness and other conditions							Clear						Pt. Cloudy							Clear				
Sunshine (in tenths of hours)								0.9 0	1.0 0	0.7 0.3	0.2	1.0	1.0	1.0	0.2	0.2	0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W	SW	SW	W	SW	SW	SW	W	SW	SW	SW	W	W
Wind movement	12	14	13	11	11	13	13	12	14	15	14	13	15	15	16	14	14	16	18	19	20	19	16	17
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 7:06; Character, Clear. Moonrise: 7:49a

Sunset: Time, 4:25; Character, Cloudy. Moonset: 6:09p.

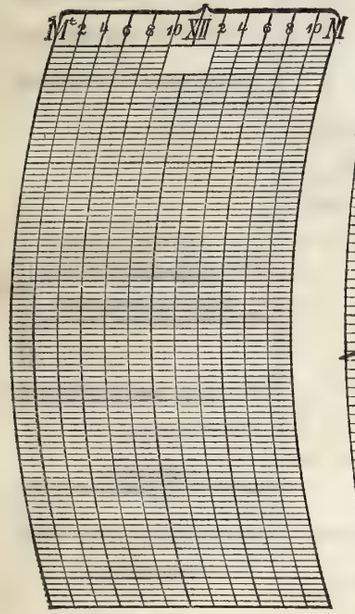
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
6	-1	2	—

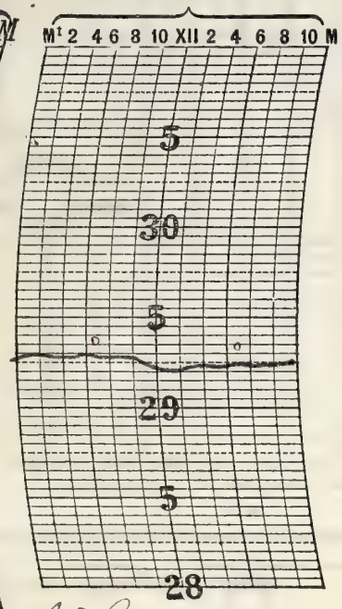
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0.1 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 6.5 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 70
Prevailing wind direction, W Total wind 354
Average hourly velocity, 14.8 Extreme velocity, 29
Maximum velocity, 23 Direction, SW
Time began, 7:13 p.m.
Reduced barometer, 30.26, 7 a. m. 30.23, 7, p. m.
River gage, 6.5 ft.
Relative humidity, 87, 7 a. m. 81, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12.38 p.m.
(Local Mean Time.)
Dry temperature, 40 Wet temperature, 3.2
Dew-point, -1 R. humidity, 78 V. pressure, .036
Clouds: Amount, 5; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

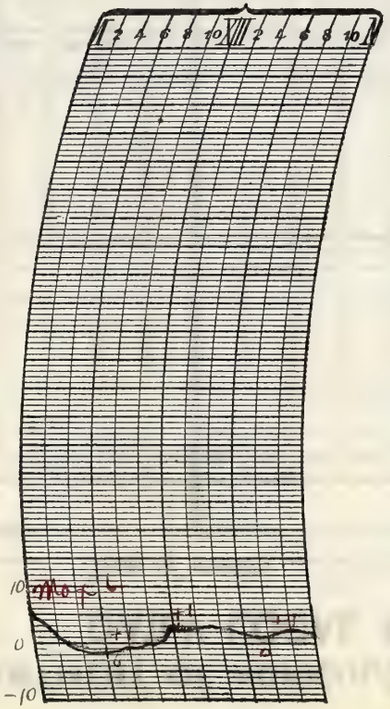
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Morning and evening hours clear but some cloudiness during the forenoon and afternoon intervals, cloud, the highest temperature being 5° and the lowest 1° below zero.

Prepared by A. S. Baker
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 4 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	2	0	-1	-2	-3	-4	-2	-1	1	5	7	10
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Clear				
Sunshine (in tenths of hours)								0.9 0	0.3 0.7	1.0	1.0	1.0
Wind direction	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	16	16	16	14	15	13	13	14	14	12	12	13
Maximum velocities (exceeding 29 miles) direction and time												
Excessive precipitation, accumulated amounts												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	12	13	14	13	12	10	10	9	8	9	10	11
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.8	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SE	SE	SE
Wind movement	13	11	11	11	7	5	3	3	3	3	3	3
Maximum velocities (exceeding 29 miles) direction and time												
Excessive precipitation, accumulated amounts												

Sunrise: Time, 7:06 Character, Clear
Moonrise: 8:26a

Sunset: Time, 4:26 Character, Cloudy
Moonset: 7:17p

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

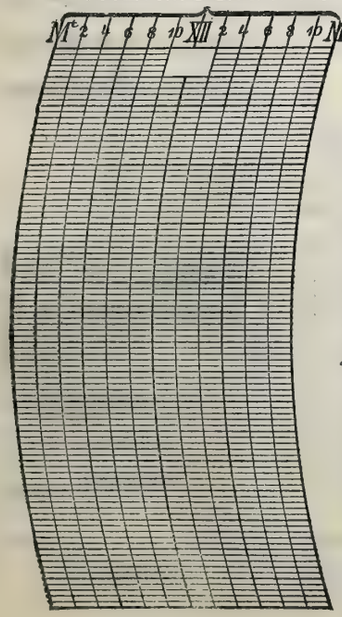
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
14	-4	5	

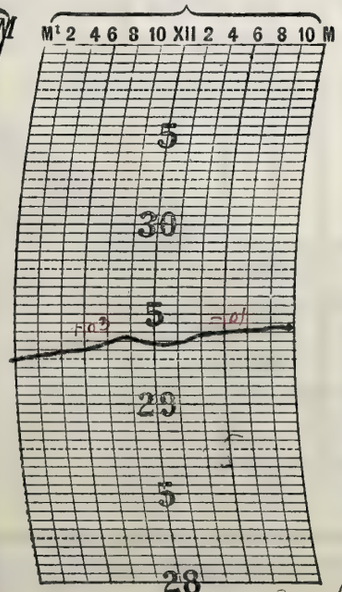
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), Few
Actual sunshine, hours, 8.7 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 94
Prevailing wind direction, SW Total wind 244
Average hourly velocity, 10.2 Extreme velocity, 29
Maximum velocity, 22 Direction, W
Time began, 12:08 am.
Reduced barometer, 30.34 7 a. m. 30.37 7 p. m.
River gage, 4.3 ft
Relative humidity, 78 7 a. m. 74 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 9.4 Wet temperature, 8.0
Dew-point, 21 R. humidity, 69 V. pressure, .042
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

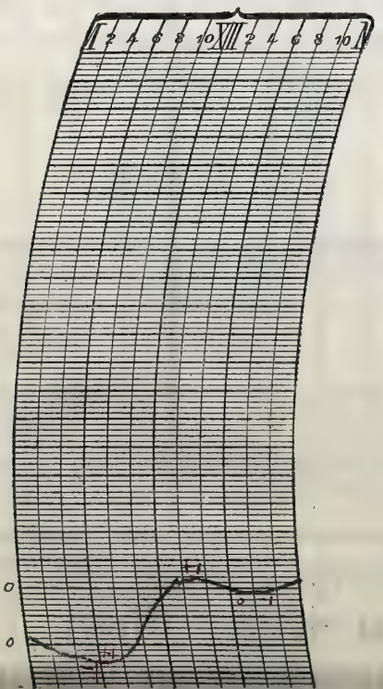
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and intensely cold weather but with slowly rising temperature.

Prepared by H. S. Baker
Verified by F. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 5 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	11	11	13	13	13	13	13	14	16	18	20	21	22	23	23	22	22	21	22	20	20	17	17	17
State of weather: Nature of precipitation and time of beginning and ending			—																					
Amounts of precipitation																								
Cloudiness and other conditions						←			Clear			→	←		Pt. Cloudy					→				
Sunrise: Time, 7:06 Character, Cloudy																					Sunset: Time, 4:27 Character, Cloudy			
Moonrise: 8:57a																					Moonset: 8:25p			
Sunshine (in tenths of hours)								0	0.5	1.0	1.0	1.0	1.0	1.0	0.8	0	0							
Wind direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	S	S	S	S	S	S	S	SW	SW	SW	S	S	S	S
Wind movement	4	3	5	3	4	5	5	4	6	8	10	8	9	10	11	8	8	6	6	6	6	7	7	7
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
23	11	17	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 6.3 Possible sunshine, hours, 9.4

Per cent of possible sunshine, 67

Prevailing wind direction, S Total wind 156

Average hourly velocity, 6.5 Extreme velocity, 13

Maximum velocity, 13 Direction, S

Time began, 11:28 a.m.

Reduced barometer, 30.41 7 a. m. 30.38 7 p. m.

River gage, 4.0 ft

Relative humidity, 81 7 a. m. 58 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M. (Local Mean Time.)

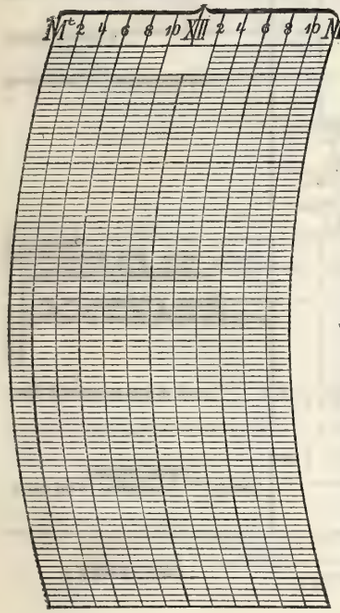
Dry temperature, 21.2 Wet temperature, 18.0

Dew-point, 9 R. humidity, ✓✓ V. pressure, .060

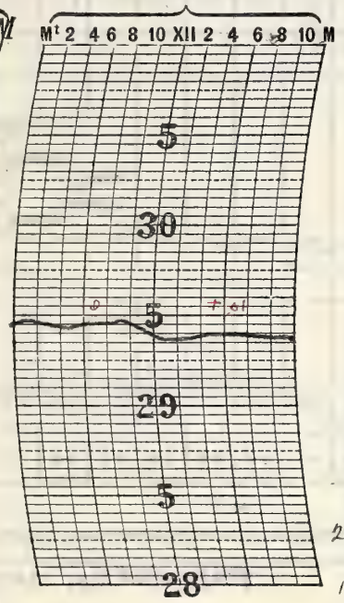
Clouds: Amount, 2 ; Kind, Ci St St Cu Direction, NW SW

Velocity of clouds (miles per hour)

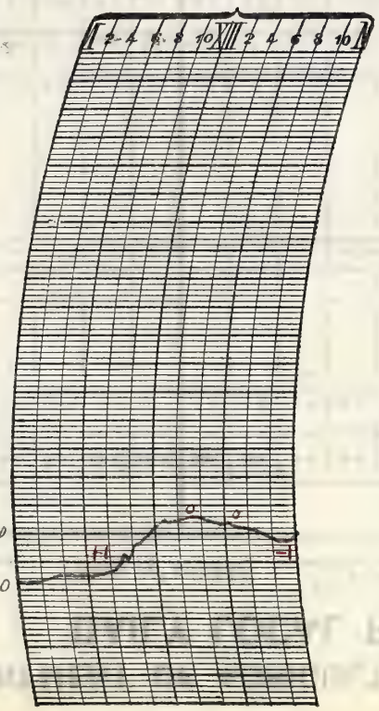
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Forenoon and night mostly clear but considerable cloudiness in the afternoon. Cold, but with slowly rising temperature.

Prepared by H. S. Baker

Verified by J. M. Blomquist

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 6 1919, 191

Time (local standard). 90 mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	20	20	21	23	23	24	24	24	26	27	27	27
State of weather: Nature of precipitation and time of beginning and ending					S 4 13 II N.	—	—	—	—	—	—	—
Amounts of precipitation												
Cloudiness and other conditions												
Sunrise: Time, 7:06 Character, Cloudy												
Moonrise: 9:27 a.												
Sunshine (in tenths of hours)								0	0	0.5	0.4	0
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	9	10	9	10	10	11	11	10	11	15	17	20
Maximum velocities (exceeding 29 miles) direction and time												

Time (local standard). 90 mer. normal time.	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	28	29	30	31	31	32	33	33	33	33	33
State of weather: Nature of precipitation and time of beginning and ending	—	—	S 4 E 3:15									
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, 4:28 Character, Cloudy												
Moonset: 9:34 p.												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	20	18	17	14	10	10	11	14	16	15	13	12

Cloudy

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	19	26	

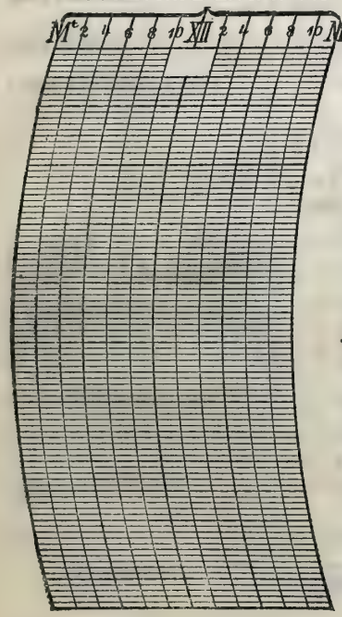
Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow, sleet, and hail on ground 7 p. m., 0.1 inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.9 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 10
Prevailing wind direction, S Total wind 313
Average hourly velocity, 13.0 Extreme velocity, 29
Maximum velocity, 25 Direction, SW
Time began, 12:12 p.m.
Reduced barometer, 30.26 7 a. m. 30.15 7 p. m.
River gage, 4.5 ft.
Relative humidity, 68 7 a. m. 88 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

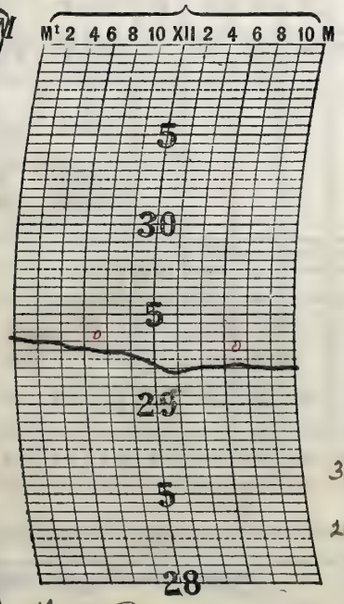
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 28.0 Wet temperature, 26.2
Dew-point, 23 R. humidity, 79 V. pressure, .118
Clouds: Amount, 10; Kind, Nb; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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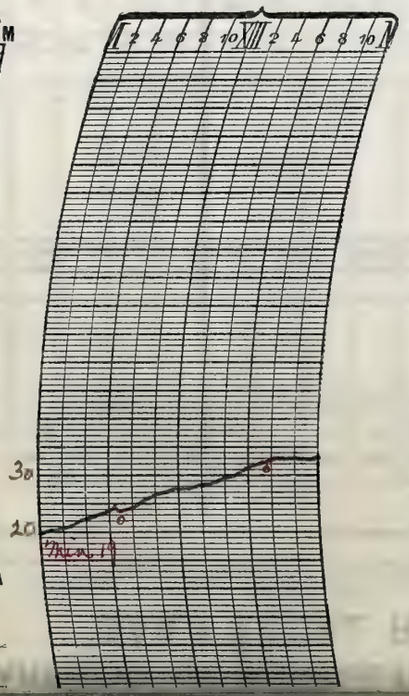


NOTES.

Cloudy with rising temperature
Light snow fall from the early morning until 3:15 p.m.

Prepared by A. S. Baxer.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Tuesday, (Date) JAN 7 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	33	30	28	26	26	28	28	29	31	34	34	34
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Pt. Cloudy				
Sunrise: Time, 7:06 Character, Cloudy												
Moonrise: 9:56a												
Sunshine (in tenths of hours)								0	07	03	0	0
Wind direction	SW	SW	SW	SW	S	S	S	S	S	SW	SW	SW
Wind movement	13	15	16	11	10	12	12	13	18	19	19	19
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	35	34	34	34	33	33	33	33	33	29	28	27
State of weather: Nature of precipitation and time of beginning and ending		S-B 1:40	S-E 2:30						S-B 8:45		S-E 10:36	
Amounts of precipitation												
Cloudiness and other conditions			Cloudy									
Sunset: Time, 4:29 Character, Cloudy												
Moonset: 10:44p												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W
Wind movement	17	16	16	20	16	13	12	13	11	17	15	15
Maximum velocities (exceeding 29 miles) direction and time												

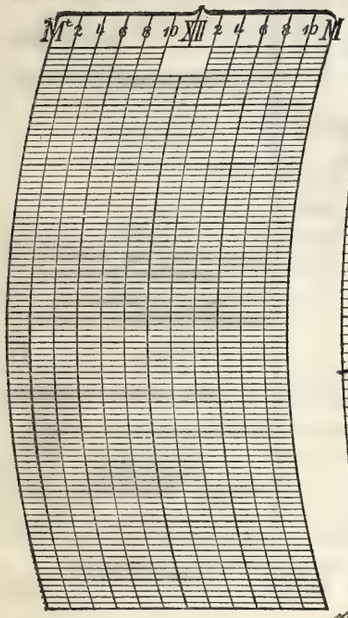
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	26	30	

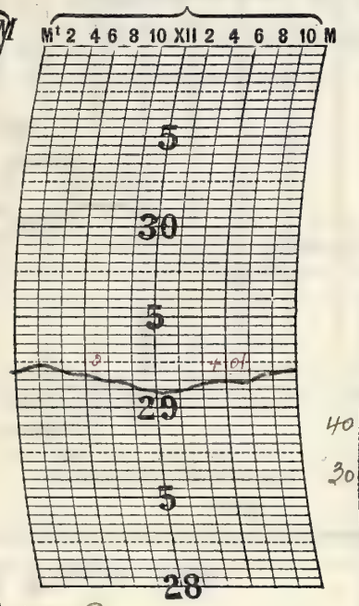
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 1.0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 11
Prevailing wind direction, SW Total wind 358
Average hourly velocity, 14.9 Extreme velocity, 30
Maximum velocity, 25 Direction, W
Time began, 9:13 p.m.
Reduced barometer, 30.12, 7 a. m. 30.10, 7, p. m.
River gage, 4.5 ft.
Relative humidity, 77, 7 a. m. 80, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 35.2 Wet temperature, 31.7
Dew-point, 26 R. humidity, 68 V. pressure, .136
Clouds: Amount, 10; Kind, St. Cus; Direction, SW
Velocity of clouds (miles per hour)

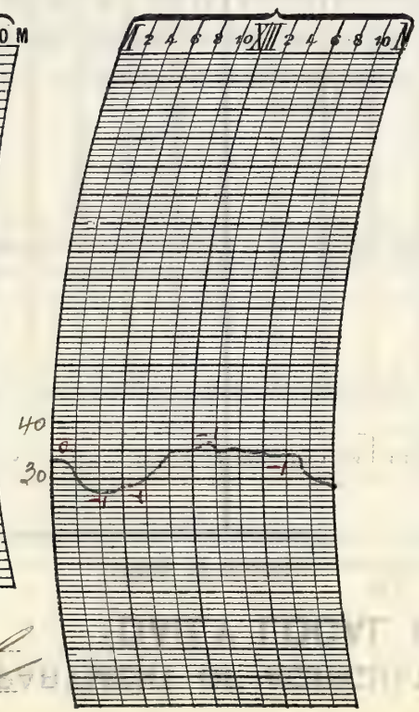
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Partly Cloudy to cloudy weather, with snow flurries in the afternoon and night. Moderate temperatures obtained.

Prepared by H. S. Baker
Verified by C. M. Brough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 8 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	27	25	24	23	23	23	23	22	22	22	22	22
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy	→	Pt Cldy	<	Cloudy	>
Sunshine (in tenths of hours)								0	0	0.2	0.9	0
Wind direction	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	17	17	15	15	13	11	14	15	16	16	17	18

Sunrise: Time, 7:06 Character, Cloudy
Moonrise: 10:27a

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	23	26	28	26	27	27	26	25	25	25	25	26
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	<	Pt.	Cloudy	>	<	Pt.	Cloudy	>	<	Clear		
Sunshine (in tenths of hours)	0.1	1.0	0.5	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	21	20	23	24	24	21	22	24	23	21	22	20

Sunset: Time, 4:30 Character, Cloudy
Moonset: 11:54p.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

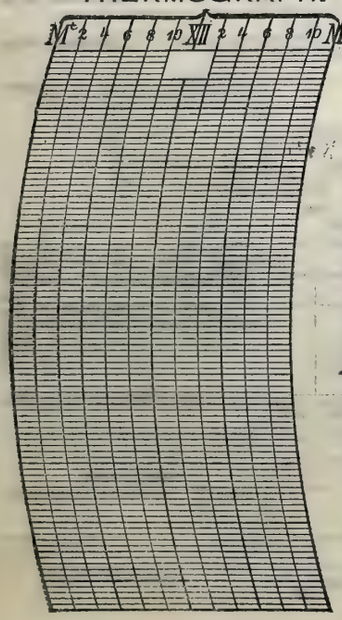
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
28	20	24	

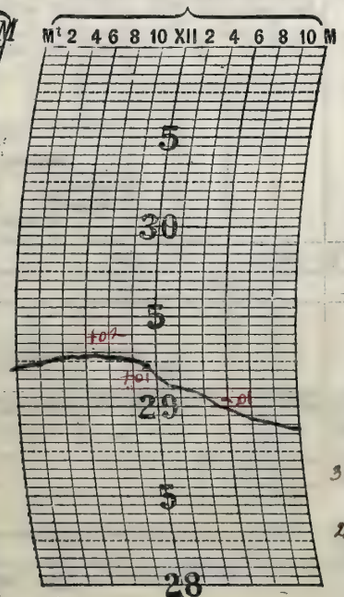
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 2.7 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 29
Prevailing wind direction, SW Total wind 449
Average hourly velocity, 18.7 Extreme velocity, 30
Maximum velocity, 26 Direction, SW
Time began, 7:58pm
Reduced barometer, 30.24 7 a. m. 29.94 7 p. m.
River gage, 4.4 ft
Relative humidity, 71 7 a. m. 69 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38PM
(Local Mean Time.)
Dry temperature, 22.4 Wet temperature, 20.0
Dew-point, 14 R. humidity, 67 V. pressure, .077
Clouds: Amount, 10; Kind, St.; Direction, SW
Velocity of clouds (miles per hour)

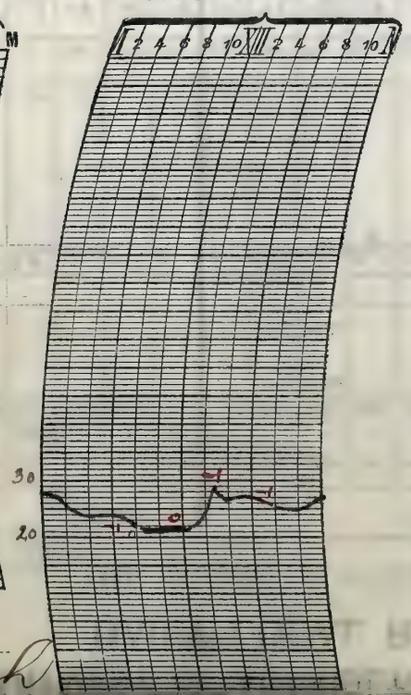
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

For 21 hours and 10 minutes

The day was mostly cloudy and the night clear with moonlight. Moderate temperature observed. The central office order a special observation taken at 12 noon.

Prepared by A. S. Baker.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 9 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	27	27	26	28	27	26	20	20	21	21	22	23	22	22	21	21	20	21	20	19	17	15	14
State of weather: Nature of precipitation and time of beginning and ending				SLD D.N.			SLE 630												SLD E 620 730					
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy	Pt Cldy	Clear				Pt Cldy			Clear				Cloudy				
Sunrise: Time, 7:06; Character, Cloudy																					Sunset: Time, 4:31; Character, Cloudy			
Moonrise: 11:00a																					Moonset: — — —			
Sunshine (in tenths of hours)								0.2	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.5	0							
Wind direction	SW	W	W	W	W	NW	NW	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W	W	SW
Wind movement	19	18	18	16	15	20	22	21	22	23	26	24	22	19	17	14	9	7	7	9	9	10	8	8
Maximum velocities (exceeding 24 miles) direction and time									31 NW 8:53	30 NW 9:07		30 NW 11:16												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

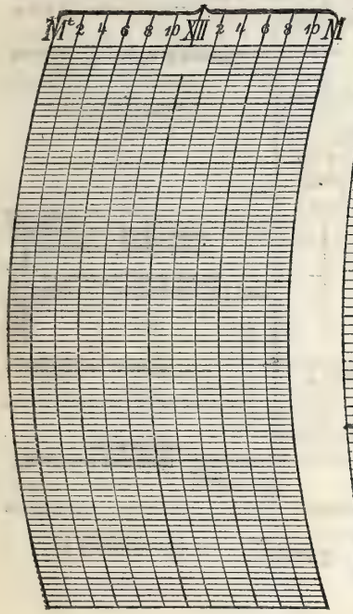
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
31	14	22	

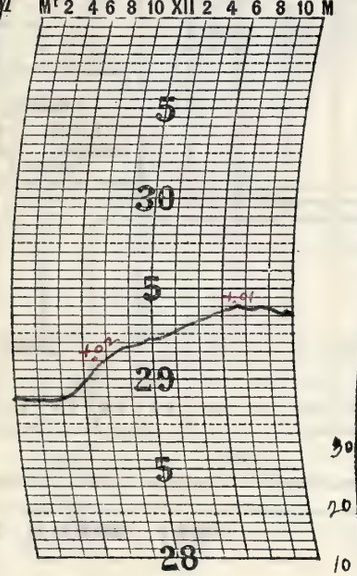
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy. Moon phase, First Quarter 4:55 am
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 7.5 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 80
Prevailing wind direction, NW Total wind 383
Average hourly velocity, 16.0 Extreme velocity, 37
Maximum velocity, 31 Direction, NW
Time began, 8:53 am.
Reduced barometer, 29.99 7 a. m. 30.35 7 p. m.
River gage, 4.0 ft.
Relative humidity, 75 7 a. m. 78 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 1:38 P.M.
(Local Mean Time.)
Dry temperature, 23.2 Wet temperature, 20.0
Dew-point, 12 R. humidity, 57 V. pressure, .070
Clouds: Amount, 4; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

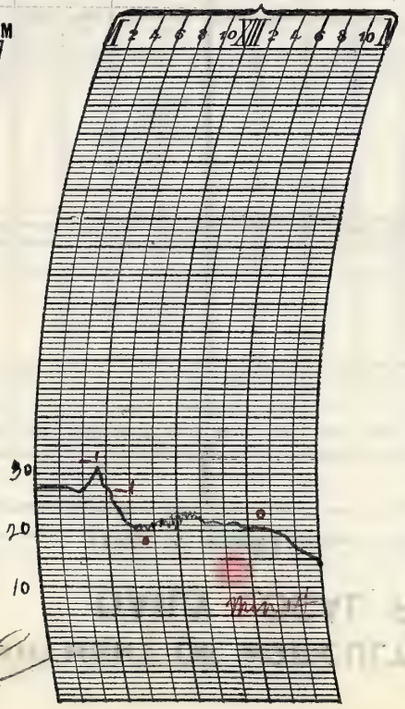
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cold wave warning was received at 9 a.m. The flag was hoisted at once and lowered at sunset.

The weather was cool and moderately cloudy, with snow flurries in the early morning and early night.

Prepared by A. S. Baker

Verified by J. M. Dunagh

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 10 1919, 191

Time (local standard). 90" mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	13	12	13	13	15	16	17	20	24	29	34	36	37	39	39	37	36	36	36	33	32	31	30	30
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Clear								→ Pt. Cldy →				← Clear					
Sunshine (in tenths of hours)								0.90 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W
Wind movement	10	10	12	14	14	17	18	19	24	25	28	24	31	31	26	25	21	19	15	13	13	12	11	9
Maximum velocities (exceeding 29 miles) direction and time											33 SW 10:31	32 SW 11:43	35 SW 12:07	36 SW 1:11	30 SW 2:28	30 SW 3:02								

Sunrise: Time, 7:06 Character, Clear
Moonrise: ---

Sunset: Time, 4:32 Character, Cloudy
Moonset: 7:05 a

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

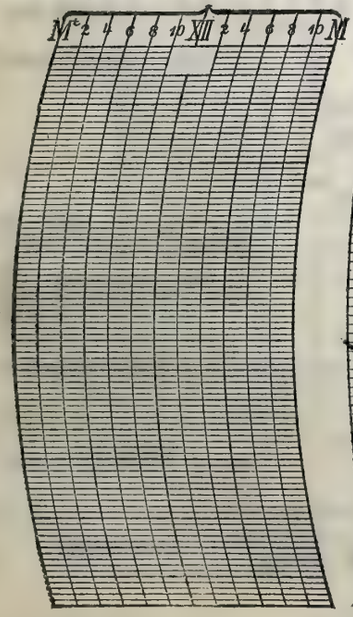
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	12	26	

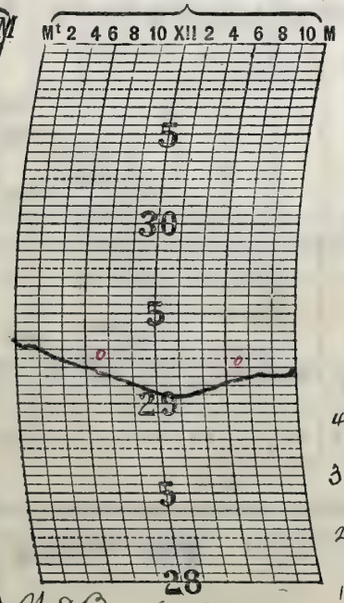
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 8.9 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 95
Prevailing wind direction, SW Total wind 441
Average hourly velocity, 18.4 Extreme velocity, 41
Maximum velocity, 36 Direction, SW
Time began, 1:11 p.m.
Reduced barometer, 30.15, 7 a. m. 30.09, 7 p. m.
River gage, 3.8 ft.
Relative humidity, 80, 7 a. m. 60, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 38.0 Wet temperature, 28.8
Dew-point, I R. humidity, 25 V. pressure, .057
Clouds: Amount, 2; Kind, Ast.; Direction, NW
Velocity of clouds (miles per hour)

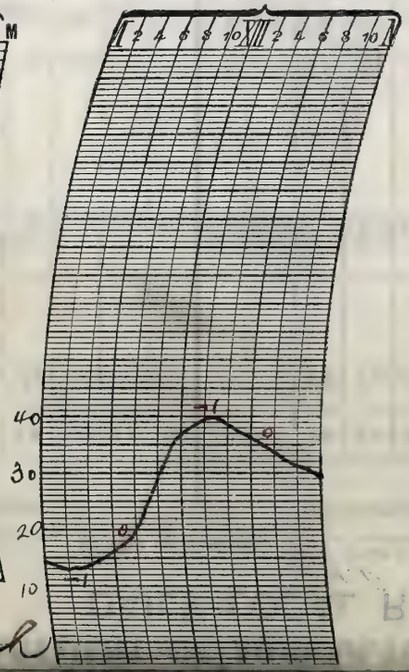
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Some cloudiness, but day mostly clear, moonlight at night. Rising temperature during the day and quite pleasant weather.

Prepared by H. S. Baker
P. McDonough

RECORD

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 11 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	27	26	25	25	26	26	25	31	27	26	27	28	28	29	30	29	26	26	24	23	22	23	22
State of weather: Nature of precipitation and time of beginning and ending												S 1140	D 1205 E											
Amounts of precipitation																								
Cloudiness and other conditions								Pt Cloudy					Cloudy				Pt Cloudy			Cloudy				
Sunshine (in tenths of hours)								0	0.9	1.0	0.4	0	0	0	0	0	0							
Wind direction	SW	W	SW	SW	SW	SW	SW	W	N	NE	E	NE	E	E	NE	E	E	E	E	E	E	E	E	E
Wind movement	7	6	5	4	5	3	2	4	9	12	12	11	10	11	11	10	10	11	13	18	13	9	10	10
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 7:05 Character, Cloudy
Moonrise: 12:22 p.

Sunset: Time, 4:33 Character, Cloudy
Moonset: 2:17 a

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

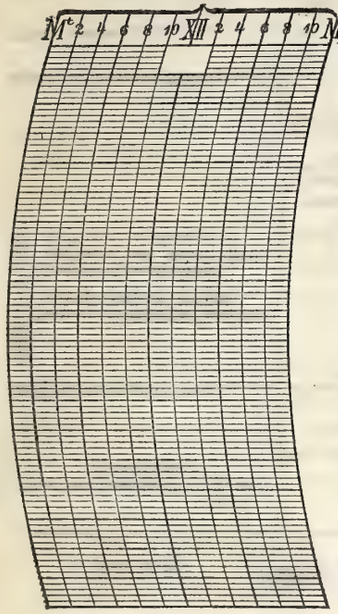
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
31	22	26	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 2.3 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 24
Prevailing wind direction, E Total wind 216
Average hourly velocity, 9.0 Extreme velocity, 25
Maximum velocity, 23 Direction, E
Time began, 7:25 Pm.
Reduced barometer, 30.26 7 a. m. 30.47 7 p. m.
River gage, 3.7 ft.
Relative humidity, 79 7 a. m. 78 7 p. m.

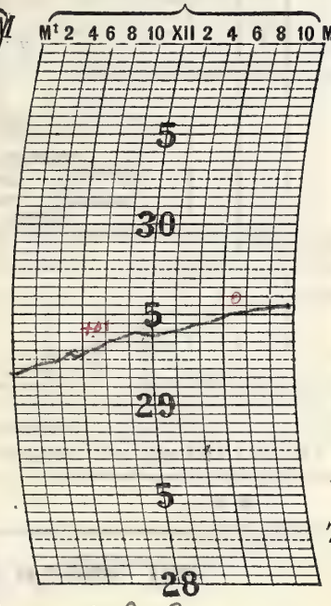
OBSERVATIONS AT ~~12 NOON~~ 12:35 P.M.
(Local Mean Time.)

Dry temperature, 26.5 Wet temperature, 25.0
Dew-point, 22 R. humidity, 82 V. pressure, 113
Clouds: Amount, 10; Kind, St.; Direction, NE
Velocity of clouds (miles per hour)

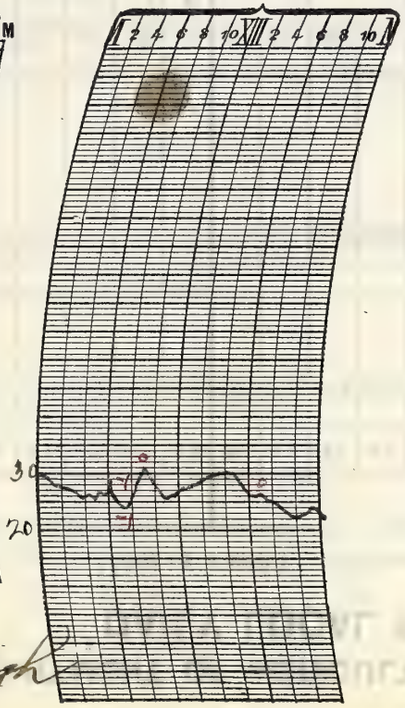
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Partly Cloudy with moderate temperature. Partial moonshine at night.

Prepared by N. S. Baker
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 12 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	20	21	21	18	17	16	16	17	20	24	28	34	37	40	41	40	38	38	38	38	38	39	39	39
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear							Pt. Cloudy						Cloudy					
Sunrise: Time, Character	7:05 Cloudy																				Sunset: Time, Character	4:34 Cloudy		
Moonrise	1:08p																				Moonset	3:26a		
Sunshine (in tenths of hours)								0	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0							
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E	SE	SE	SE	SE	SE	SE	SE	S	S	S	S	S
Wind movement	9	11	12	11	10	11	9	10	9	8	6	6	6	5	6	4	4	7	8	10	14	11	15	10
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
41	16	28	

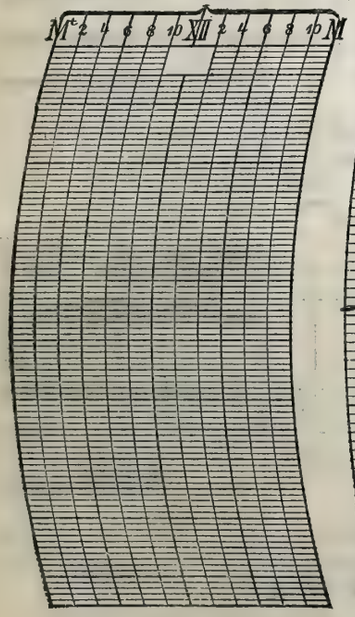
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 7.0 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 74
Prevailing wind direction, E Total wind 212
Average hourly velocity, 8.8 Extreme velocity, 18
Maximum velocity, 17 Direction, S
Time began, 10:09 p.m.
Reduced barometer, 30.70 7 a. m. 30.32 7 p. m.
River gage, 3.3 ft
Relative humidity, 79 7 a. m. 66 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

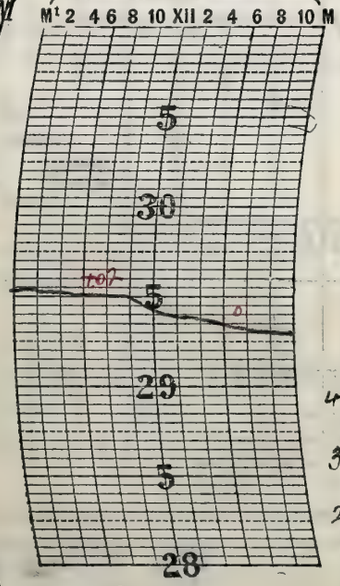
OBSERVATIONS AT ~~12 NOON~~ 12:38 PM
(Local Mean Time.)

Dry temperature, 33.2 Wet temperature, 31.2
Dew-point, 28 R. humidity, 80 V. pressure, .170
Clouds: Amount, 1; Kind, Cirro St; Direction, W
Velocity of clouds (miles per hour)

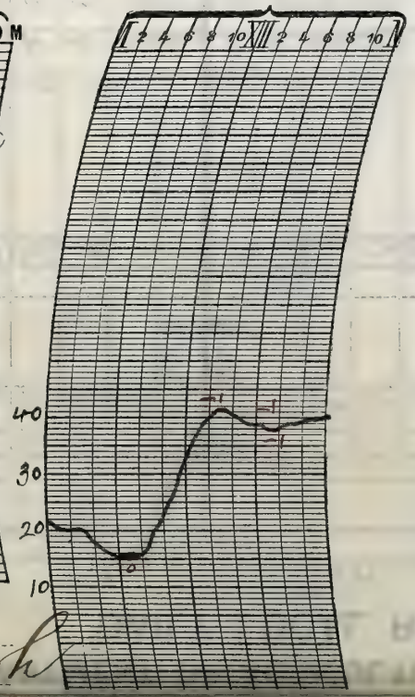
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Fine weather, rapidly rising temperature during forenoon. Partial moonlight at night.

Prepared by N. S. Baker.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 13 1919, 191

Time (local standard). 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	41	42	41	41	40	40	40	42	43	47	48	49	50	48	47	45	42	42	40	39	34	33	33
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear		Cldy		Pt.Cldy		Clear			Pt. Cldy			Clear					
Sunshine (in tenths of hours)								0	0.1	1	0.7	1.0	1.0	1.0	0.8	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W
Wind movement	10	11	13	13	14	14	14	13	14	13	13	15	15	16	14	16	10	9	8	7	8	8	6	8
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 7:05 Character, Cloudy
Moonrise: 2:06p.
Sunset: Time, 4:35 Character, Cloudy
Moonset: 4:30a

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

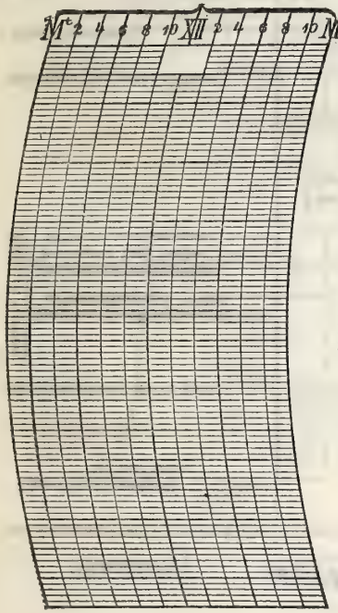
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	33	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 4.6 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 48
Prevailing wind direction, SW Total wind 282
Average hourly velocity, 11.8 Extreme velocity, 22
Maximum velocity, 20 Direction, SW
Time began, 1:31 p.m.
Reduced barometer, 30.18 7 a. m. 30.10 7 p. m.
River gage, 3.2 ft.
Relative humidity, 61 7 a. m. 65 7 p. m.

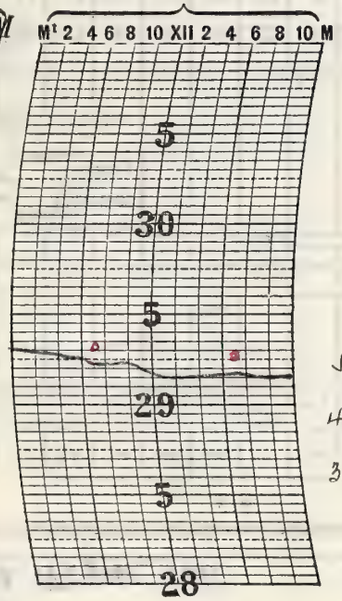
OBSERVATIONS AT ~~12 NOON~~ 1:38 PM
(Local Mean Time.)

Dry temperature, 47.2 Wet temperature, 40.0
Dew-point, 31 R. humidity, 52 V. pressure, .172
Clouds: Amount, 3; Kind, ast.; Direction, NW
Velocity of clouds (miles per hour)

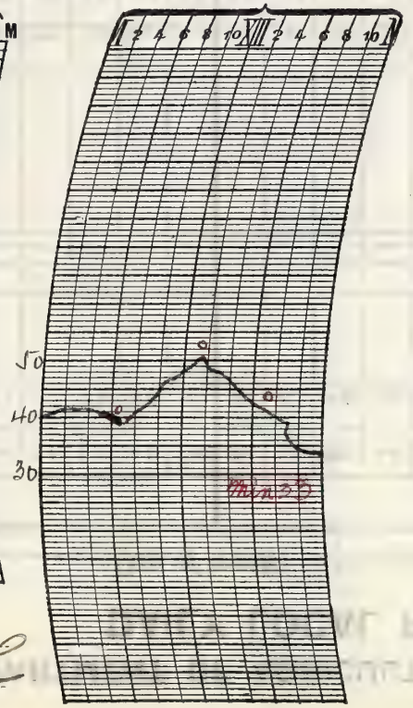
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Partly cloudy weather with pleasant temperatures; moonlight at night.
A lunar halo of 22° radius was observed at 6:40 p.m.

Prepared by A. S. Barger
Verified by C. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 14 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	32	31	30	30	31	31	32	32	33	34	34	34	34	34	33	32	32	31	31	29	29	28
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←				Cloudy								→					
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	W	W	W	W	W	NW	W	W	W	W	W	W	W	W	W	W	W	W	NW	W	W	W	W	W
Wind movement	11	11	11	11	11	10	10	9	9	10	11	12	11	12	9	9	10	11	9	11	10	9	9	10
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 7:04 Character, Cloudy
Moonrise: 3:09 p.
Sunset: Time, 4:36 Character, Cloudy
Moonset: 5:27 a

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

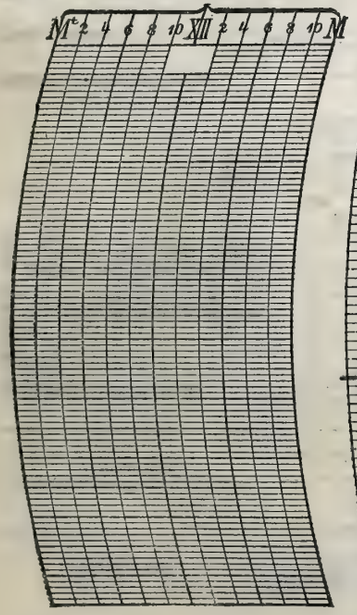
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	28	31	

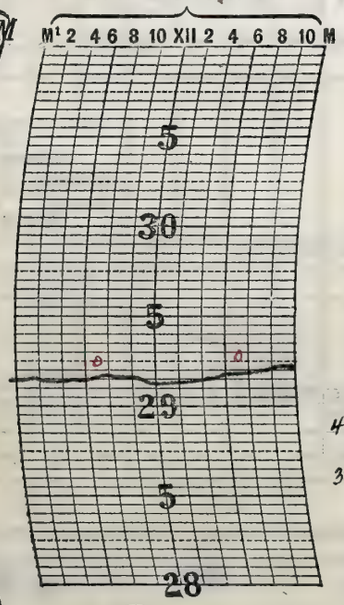
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 2446
Average hourly velocity, 10.2 Extreme velocity, 16
Maximum velocity, 15 Direction, W
Time began, 10:06 am
Reduced barometer, 30.10, 7 a. m. 30.13 7 p. m.
River gage, 3.1 ft.
Relative humidity, 74 7 a. m. 85 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M. (Local Mean Time.)
Dry temperature, 33.7 Wet temperature, 30.2
Dew-point, 25 R. humidity, 67 V. pressure, 130
Clouds: Amount, 10; Kind, St-Cu; Direction, NW
Velocity of clouds (miles per hour)

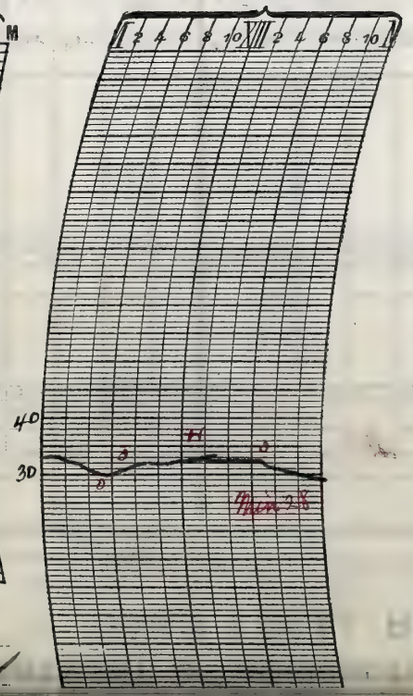
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cloudy with mild temperatures during the day.

Prepared by W. S. Baker
Verified by F. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 15 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	28	28	27	27	27	28	30	29	30	31	32	34	36	39	40	39	37	35	35	34	33	33	32
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy				Pt Cldy		Clear											
Sunshine (in tenths of hours)								0	0	0.1	0.7	1.0	1.0	1.0	1.0	1.0	0.7 0.1							
Wind direction	W	W	W	W	W	W	W	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	11	9	10	8	8	9	8	7	7	7	7	10	9	11	10	10	9	10	10	11	11	10	11	12
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 7:04 Character, Cloudy

Moonrise: 4:16p.

Sunset: Time, 4:37 Character, Clear

Moonset: 6:16a

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	27	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 6.4 Possible sunshine, hours, 9.6

Per cent of possible sunshine, 67

Prevailing wind direction, SW Total wind 225

Average hourly velocity, 9.4 Extreme velocity, 15

Maximum velocity, 13 Direction, SW

Time began, 11:46 p.m.

Reduced barometer, 30.26 7 a. m. 30.27, 7 p. m.

River gage, 3.0 ft.

Relative humidity, 84, 7 a. m. 62, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M. (Local Mean Time.)

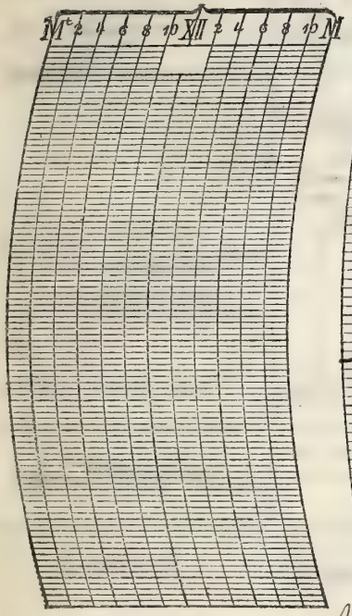
Dry temperature, 32.0 Wet temperature, 30.4

Dew-point, 28 R. humidity, 84 V. pressure, .150

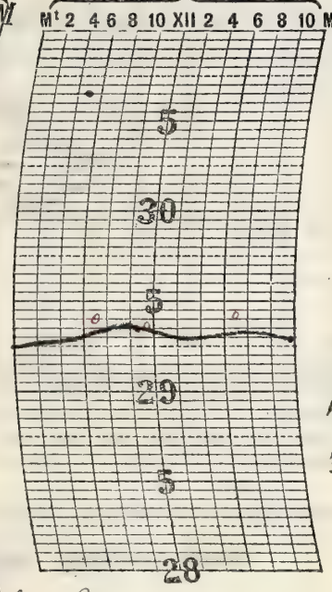
Clouds: Amount, 2; Kind, Cu; Direction, W

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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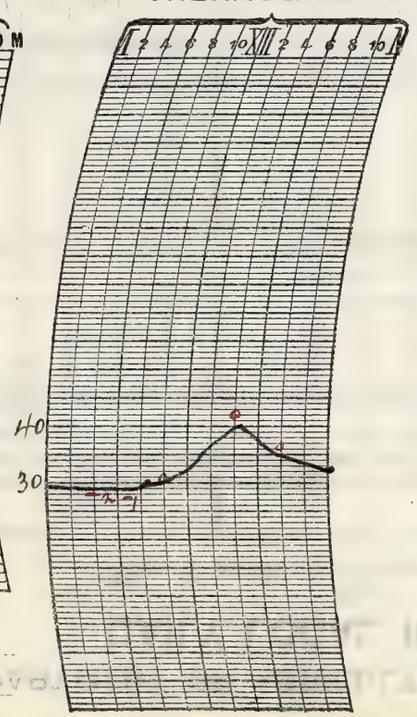


NOTES.

Mild temperature and decreasing cloudiness, the afternoon and night being clear. Moonlight at night.

Prepared by N. S. Baker

Verified by C. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 16 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	31	30	31	31	31	31	31	35	40	41	46
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear				Pt. C	
Sunshine (in tenths of hours)								0.93 0	0.8 0.2	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	11	10	11	16	13	17	14	11	12	16	18	18

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	44	43	42	41	39	39	40	40	40	39	38
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt. Cloudy						Cloudy					
Sunshine (in tenths of hours)	1.0	1.0	0.3	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	S	SW	SW	SW	SW	SW
Wind movement	22	19	17	14	12	15	19	20	19	18	16	18

Sunrise: Time, 7:04 Character, Clear
Moonrise: 5:23 p.
Sunset: Time, 4:39 Character, Cloudy
Moonset: 6:59 a.

Maximum velocities (exceeding 29 miles) direction and time

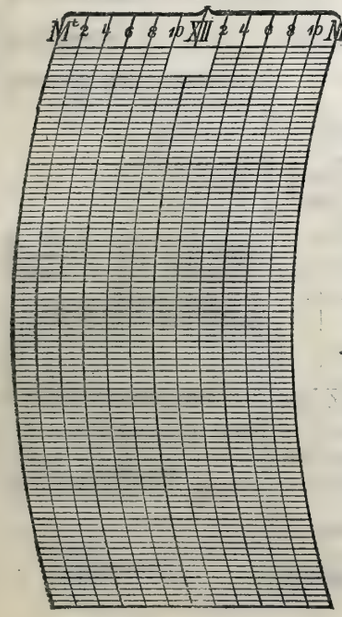
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	30	38	

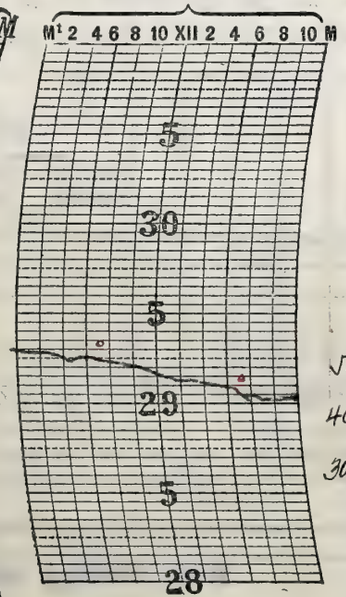
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase, Full Moon, 2:44 am
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 7.2 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 75
Prevailing wind direction, SW Total wind 376
Average hourly velocity, 15.7 Extreme velocity, 30
Maximum velocity, 25 Direction, SW
Time began, 12:44 p.m.
Reduced barometer, 30.19 7 a. m. 30.01 7, p. m.
River gage, 3.0 ft
Relative humidity, 79 7 a. m. 59 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 1235 P.M.
(Local Mean Time.)
Dry temperature, 45.0 Wet temperature, 39.2
Dew-point, 31 R. humidity, 79 V. pressure, .172
Clouds: Amount, 2/4; Kind, Ci St/Ci St; Direction, NW/NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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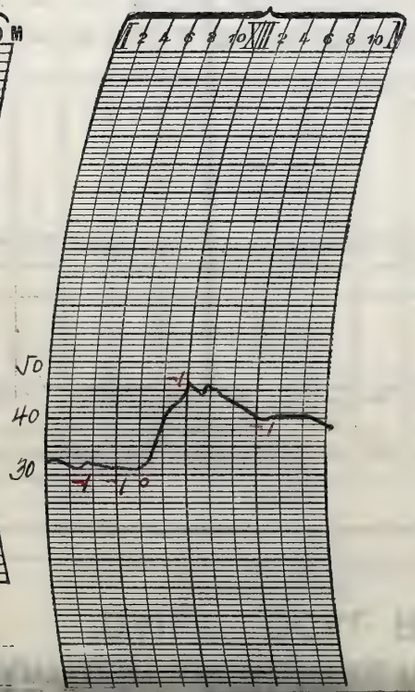


NOTES.

Increasing cloudiness after the last observation, with rising temperature. The moon was partly obscured by clouds in the early night.

Prepared by A. S. Parker
Verified by F. M. Donough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 17 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	36	35	33	33	32	32	32	34	38	41	44	46	47	45	44	42	40	40	37	36	35	34	33
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear			Pt. Cloudy						Clear								
Sunshine (in tenths of hours)								0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4 / 0.2							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	17	18	15	13	12	13	12	11	12	9	10	10	12	12	10	9	8	6	6	7	7	8	8	9
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 7:03; Character, Cloudy
Moonrise: 6:29p.
Sunset: Time, 4:40; Character, Clear
Moonset: 7:34a

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

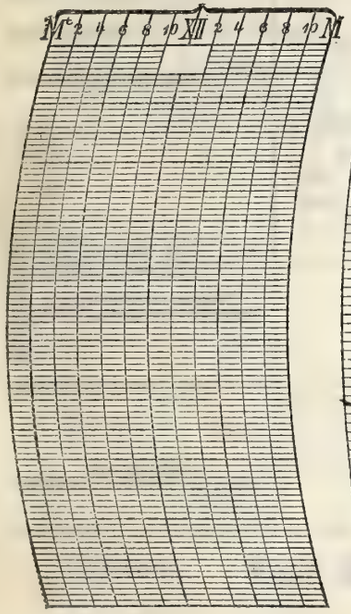
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	32	40	

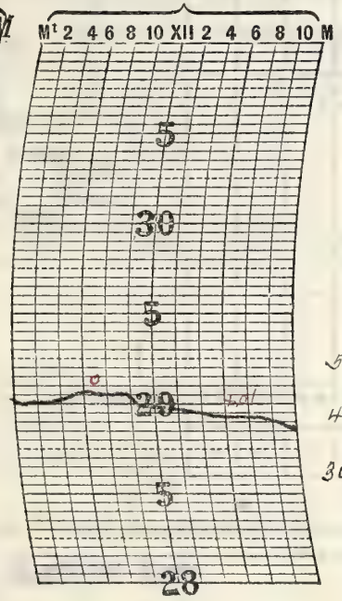
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 8.1 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 84
Prevailing wind direction, SW Total wind 254
Average hourly velocity, 10.6 Extreme velocity, 22
Maximum velocity, 20 Direction, SW
Time began, 1:18 am.
Reduced barometer, 30.01 7 a. m. 29.88 7 p. m.
River gage, 3.0 ft.
Relative humidity, 79 7 a. m. 64 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 45.2 Wet temperature, 38.0
Dew-point, 28 R. humidity, 57 V. pressure, .150
Clouds: Amount, 2.3; Kind, Cir. St.; Direction, NW
Velocity of clouds (miles per hour)

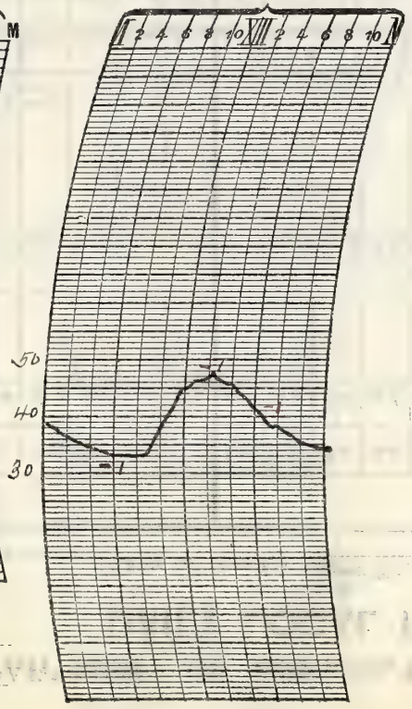
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Except some Cloudiness during the midday hours, clear skies obtained, with moonlight at night. The day was exceptionally fine with mild temperatures.

Prepared by A. S. Baker
Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 18 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	32	32	32	32	32	34	37	40	44	47	49	50	50	46	45	44	44	42	40	40	40	38
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Clear						→ Partly			← Clear								→
Sunshine (in tenths of hours)								0.95 0	0.2 0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.48 0.2							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	NW	W
Wind movement	10	9	9	9	11	11	11	10	11	13	12	11	11	12	12	11	11	8	8	8	11	6	3	3
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 7:03; Character, Clear. Moonrise: 7:34p.

Sunset: Time, 4:41; Character, Clear. Moonset: 8:05a.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	32	41	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 9.5 Possible sunshine, hours, 9.6

Per cent of possible sunshine, 99

Prevailing wind direction, SW Total wind 231

Average hourly velocity, 9.6 Extreme velocity, 15

Maximum velocity, 14 Direction, SW

Time began, 9:01 am

Reduced barometer, 29.80 7 a. m. 29.91 7 p. m.

River gage, 2.9 ft.

Relative humidity, 75 7 a. m. 63 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M. (Local Mean Time.)

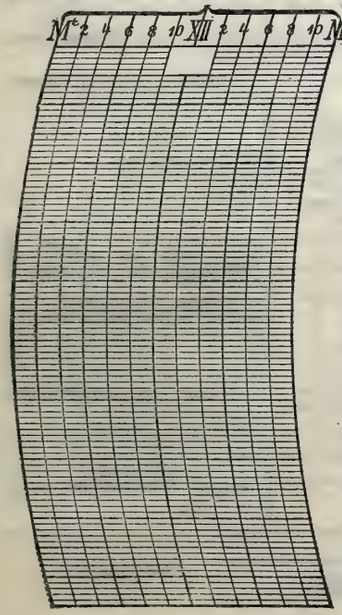
Dry temperature, 45.4 Wet temperature, 39.4

Dew-point, 31 R. humidity, 58 V. pressure, .172

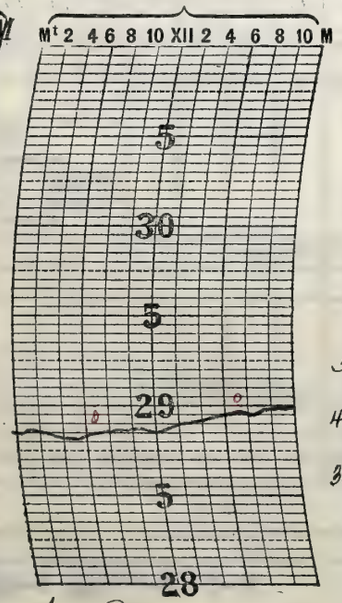
Clouds: Amount, 2; Kind, Ci St, Cu St; Direction, NW, NW

Velocity of clouds (miles per hour)

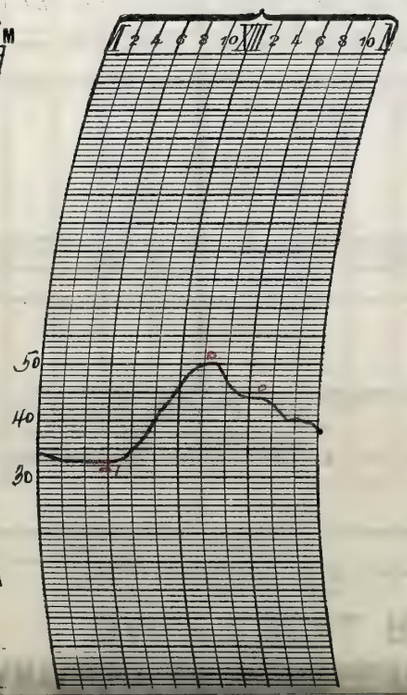
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The day was exceptionally fine and warm, with moonlight at night.

Prepared by N. S. Baker

Verified by P. M. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 19 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	36	34	33	32	32	31	30	34	35	38	41	42	43	42	39	38	35	33	31	30	29	29	28
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions		44	50	97			Cloudy				Partly				—		Clear							
Sunshine (in tenths of hours)								0	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8 0.6							
Wind direction	W	0	0	W	NE	NE	NE	NE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	3	0	0	4	8	10	8	9	4	4	6	6	6	6	10	10	9	8	9	6	6	6	6	6

Sunrise: Time, 7:02; Character, Cloudy. Moonrise: 8:35 p.

Sunset: Time, 4:42; Character, Clear. Moonset: 8:32 a

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

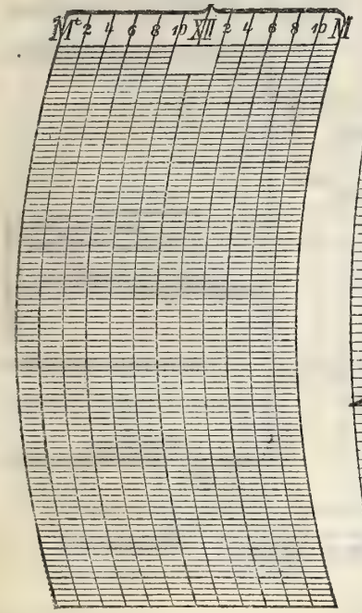
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
43	28	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 7.9 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 81
Prevailing wind direction, E Total wind 150
Average hourly velocity, 6.2 Extreme velocity, 14
Maximum velocity, 13 Direction, NE
Time began, 3:43 p N
Reduced barometer, 30.08, 7 a. m. 30.15, 7 p. m.
River gage, 3.0 ft.
Relative humidity, 78, 7 a. m. 82, 7 p. m.

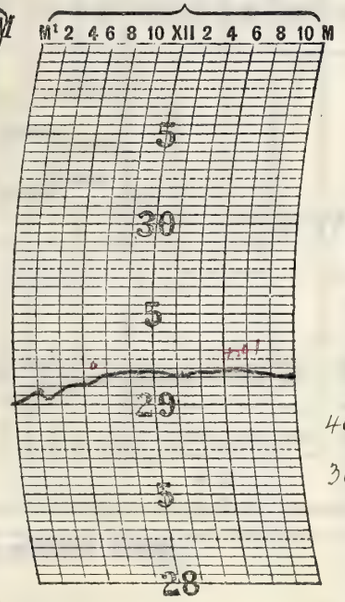
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M. (Local Mean Time.)

Dry temperature, 39.0 Wet temperature, 35.4
Dew-point, 29 R. humidity, 68 V. pressure, .157
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

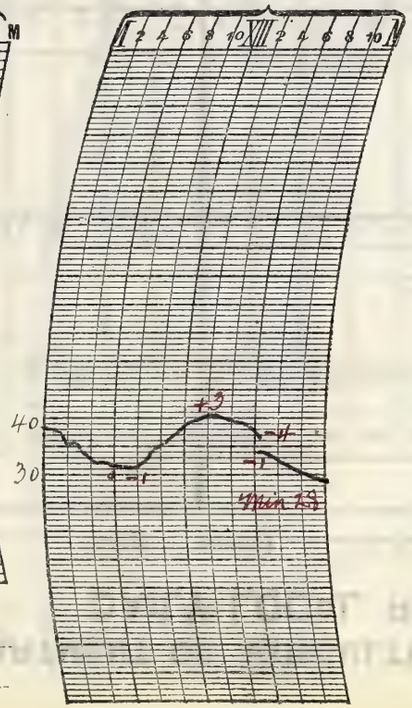
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light fog began and ended in the early morning.

Cloudy in the a. m., but decreasing cloudiness after the 8 a.m. observation, the afternoon and night being clear, with moonlight during the late night.

Day exceptionally fine, with moderate temperature.

Prepared by N. S. Barker.

Verified by P. McDonough

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 20 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	28	28	27	27	26	26	25	26	29	36	47	54	57	57	56	54	52	50	48	47	46	44	43	42
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Pt cldy				Clear						Pt cldy			Clear				
Sunrise: Time 7:01, Character Cloudy																								
Moonrise: 9:35p																								
Sunset: Time 4:43, Character Cloudy																								
Moonset: 8:18a																								
Sunshine (in tenths of hours)								0	0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0							
Wind direction	E	E	E	E	E	E	NE	E	E	E	E	S	S	SW	S	S	SW	SW	SW	S	S	S	S	S
Wind movement	7	7	6	4	3	4	6	4	4	3	3	5	7	9	10	9	7	8	7	6	5	6	7	6
Maximum velocities (exceeding 26 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

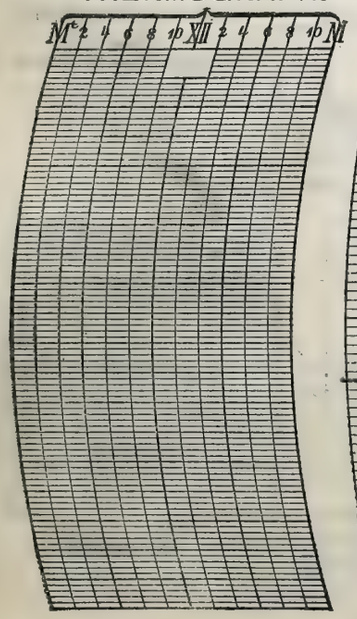
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	24	40	

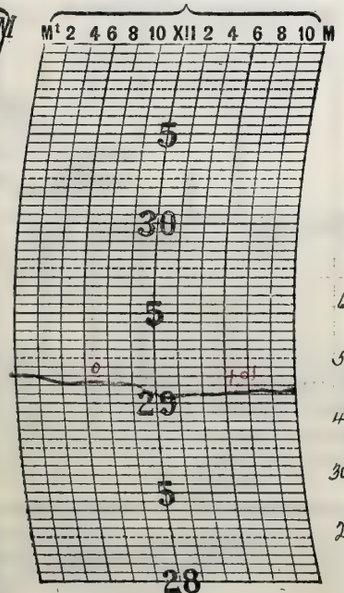
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 6.4 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 66
Prevailing wind direction, E Total wind 143
Average hourly velocity, 6.0 Extreme velocity, 14
Maximum velocity, 13 Direction, S
Time began, 2:32 p.m.
Reduced barometer, 30.07, 7 a. m. 30.01, 7 p. m.
River gage, 2.9 ft.
Relative humidity, 87, 7 a. m. 54, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 50.8 Wet temperature, 44.0
Dew-point, 36 R. humidity, 58 V. pressure, .211
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

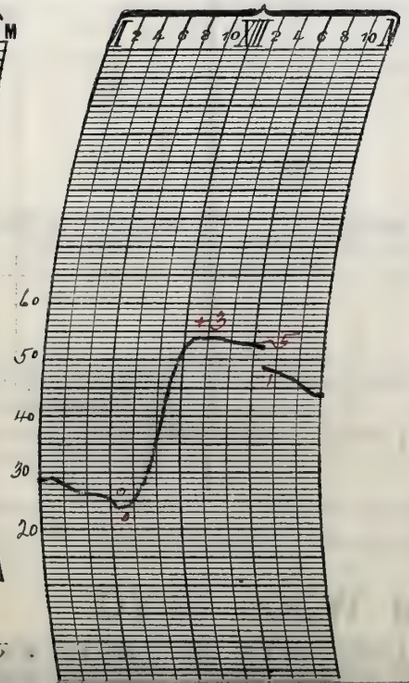
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

While there was some cloudiness during the day and night the weather, as a rule was mostly clear. There was moonlight in the early morning and late night but it was somewhat dimmed by clouds. The day was remarkably fine, the temperature reaching the highest point of the month, 57°.

Prepared by N. S. Dakes.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 21 1919, 191

Time (local standard) 90° mer. / normal time

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	42	42	41	40	40	40	41	43	46	50	55	57	57	56	56	53	49	48	45	39	38	38	38
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy						Pt. Cloudy							Clear		Lt. Fog		
Sunrise: Time, Character	7:01 Cloudy																				Sunset: Time, Character	4:44 Cloudy		
Moonrise	10:35p																				Moonset	9:24a		
Sunshine (in tenths of hours)								0	0	0	0.6	1.0	1.0	0.9	0	0	0							
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SE	S	S	SW	SW	SW	SW	SW	SW
Wind movement	6	6	5	7	8	9	8	8	7	9	7	7	7	8	5	5	7	9	9	10	12	12	10	7
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature	Minimum temperature	Mean temperature	Normal temperature
57	38	48	

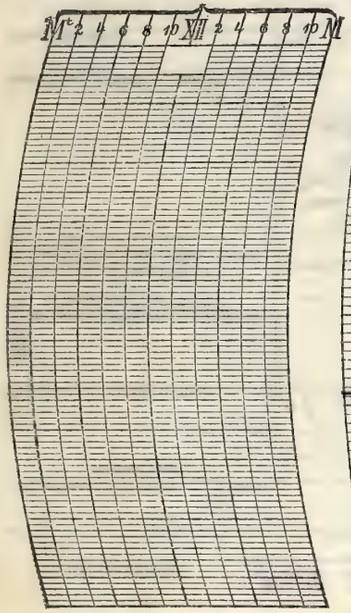
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 3.5 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 36
Prevailing wind direction, S Total wind 188
Average hourly velocity, 7.8 Extreme velocity, 15
Maximum velocity, 14 Direction, SW
Time began, 9:43 p.m.
Reduced barometer, 30.02, 7 a. m. 30.08, 7 p. m.
River gage, 2.9 ft.
Relative humidity, 81, 7 a. m. 72, 7 p. m.

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

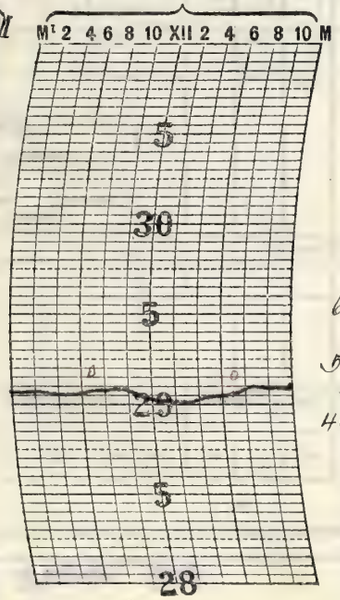
OBSERVATIONS AT ~~12 NOON~~ 12:38 p.m. (Local Mean Time.)

Dry temperature, 56.2 Wet temperature, 46.2
Dew-point, 35, R. humidity, 45 V. pressure, .208
Clouds: Amount, 4; Kind, Cu St; Direction, NW
Velocity of clouds (miles per hour)

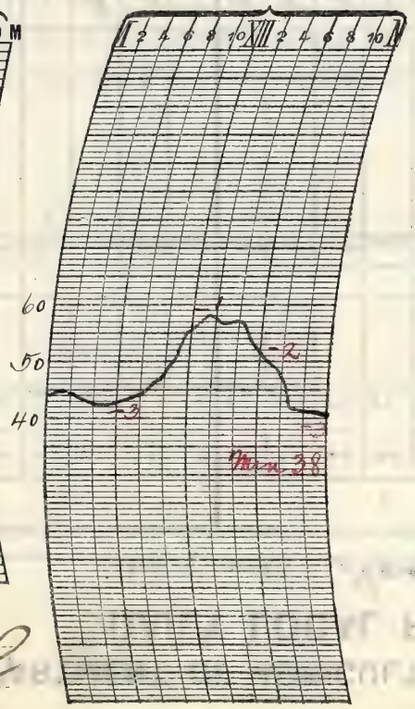
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The moon was partly obscured by clouds in the early morning, and by light fog in the late night. The day was fair with mild temperature.

Prepared by N. S. Baker.
Verified by C. McKnough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 22 1913, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	39	39	40	40	42	43	45	45	46	47	51	56	57	57	56	55	54	52	51	50	49	48	47
State of weather. Nature of precipitation and time of beginning and ending																								RB 11:30
Amounts of precipitation																								
Cloudiness and other conditions				2+	3-9	Cloudy					Pt Cldy		Clear		Pt Cldy		Cldy		Pt Cldy					

Sunrise: Time, 7:00 Character, Cloudy
Moonrise: 11:34p.

Sunset: Time, 4:46 Character, Cloudy
Moonset: 9:57a

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)								0	0	0	0	0.6	1.0	1.0	1.0	0	0							
Wind direction	SW	S	S	SE	S	S	SW	S	S	S	SW	SW	SW	SW	S	S	S	S	S	S	S	SW	SW	SW
Wind movement	5	4	4	2	4	5	3	4	6	8	9	7	10	9	9	6	4	6	8	8	8	6	7	5
Maximum velocities (exceeding 29 miles) direction and time																								

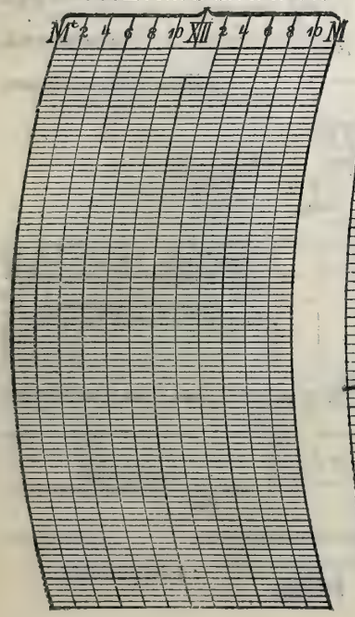
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	38	48	

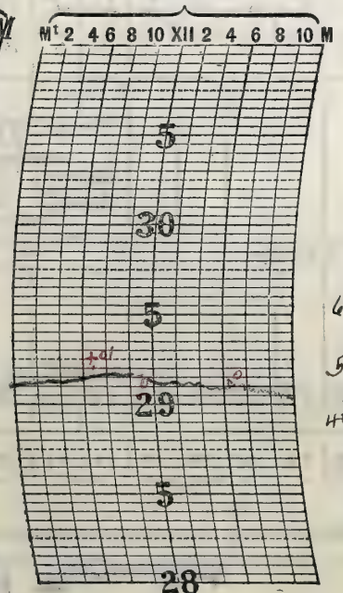
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .12 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 3.6 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 37
Prevailing wind direction, S Total wind 147
Average hourly velocity, 6.1 Extreme velocity, 15
Maximum velocity, 14 Direction, SW
Time began, 12:11 p.m.
Reduced barometer, 30.08 7 a. m. 30.04 7 p. m.
River gage, 2.9 ft
Relative humidity, 88 7 a. m. 72 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 53.2 Wet temperature, 49.0
Dew-point, 45 R. humidity, 74 V. pressure, .298
Clouds: Amount, 3; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

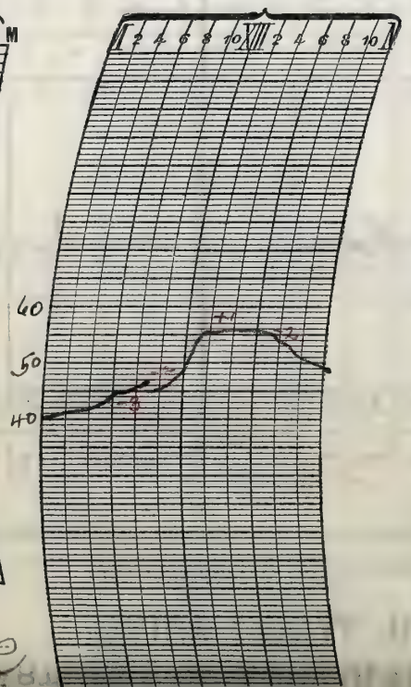
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The light fog continued from the 21st lifted at 11:15 am.

The day as a whole was partly cloudy and remarkably free with mild temperature.

Light rain began at 11:30 pm and continued into the 23d.

A moderate thunderstorm began at 11:55 pm and continued into the 23d.

Prepared by A. S. Baker
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 23 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	44	43	41	40	40	40	38	37	36	36	34	33	34	34	34	34	34	34	33	33	33	33	33
State of weather: Nature of precipitation and time of beginning and ending	–	–	–	–	–	–	–	–	–	RE 9:05														
Amounts of precipitation																								
Cloudiness and other conditions							←				Cloudy													→

Sunrise: Time, 6:59; Character, Cloudy. Moonrise: ——

Sunset: Time, 4:47; Character, Cloudy. Moonset: 10:19a

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	W	W	NW	NW	NW	W	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	6	6	7	7	6	6	6	9	12	14	15	15	16	20	14	14	13	12	12	13	12	12	13	11
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

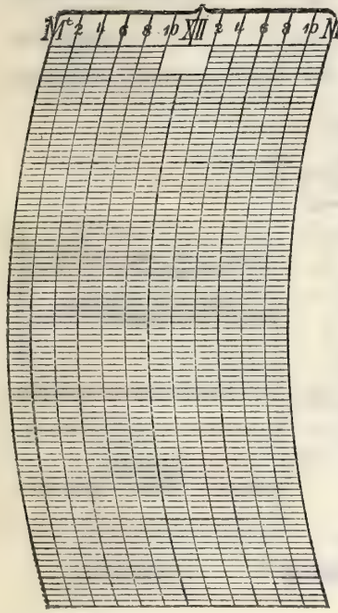
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	33	40	–

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .52 ins.; to 7 p. m., 0.3 ins.
Total precipitation, midnight to midnight, 4.13 inches.
Character of day, Cloudy. Moon phase, Last Quarter 10:22 pm
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0. Possible sunshine, hours, 9.8
Per cent of possible sunshine, 0
Prevailing wind direction, W. Total wind, 271
Average hourly velocity, 11.3. Extreme velocity, 25
Maximum velocity, 23. Direction, W
Time began, 1:48 p m.
Reduced barometer, 29.87 7 a. m. 29.98 7 p. m.
River gage, 3.1 ft.
Relative humidity, 92 7 a. m. 83 7 p. m.

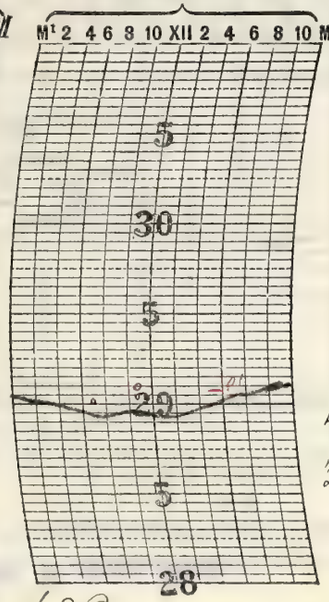
OBSERVATIONS AT ~~12 NOON~~ 12:38 PM
(Local Mean Time.)

Dry temperature, 35.0. Wet temperature, 32.0
Dew-point, 28. R. humidity, 73. V. pressure, NO
Clouds: Amount, 10; Kind, St.; Direction, NW
Velocity of clouds (miles per hour)

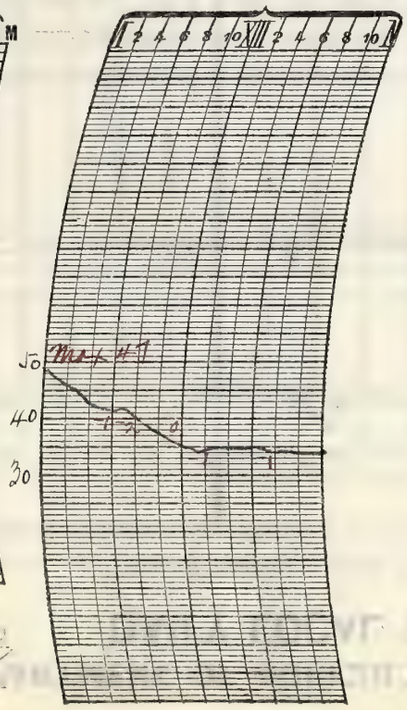
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by H. S. Baker.
Verified by A. McDonough

8—486

NOTES.

* Estimated

The Central Office ordered a special observation to be taken at 11 am.

The thunderstorm which continued from the 22d ended at 12:30 am.

The rain which began at 11:30 pm of the 22d continued until 9:05 am.

Cloudy and mild weather, but the temperature fell moderately during the preceding 24 hours.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 24 1919, 191

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	32	32	32	32	32	32	32	32	32	33	34	35	36	35	35	35	35	34	33	33	34	33	33
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy →																	
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	W	W	W	W	SW	W	SW	W	W	SW	SW	SW	SW	SW	S	S	S	SE	SE	SE	SE	SE	SE	S
Wind movement	11	11	11	9	10	8	5	5	5	6	7	9	9	9	7	9	5	4	5	5	4	4	6	5
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:59 Character, Cloudy
Moonrise: 12:32a
Sunset: Time, 4:48 Character, Cloudy
Moonset: 10:50a

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

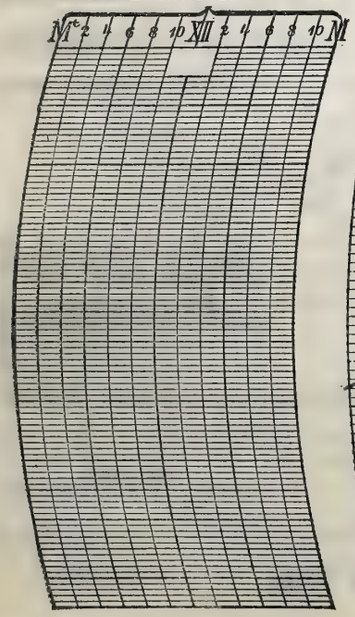
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
	36	32	34	

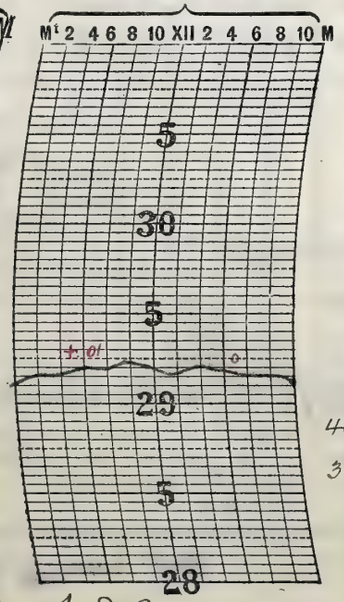
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 0
Prevailing wind direction, SW-W Total wind 169
Average hourly velocity, 7 Extreme velocity, 13
Maximum velocity, 13 Direction, SW
Time began, 1:15 am
Reduced barometer, 30.15 7 a. m. 30.10 7 p. m.
River gage, 4.4 ft.
Relative humidity, 88 7 a. m. 86 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 33.8 Wet temperature, 31.3
Dew-point, 28 R. humidity, 77 V. pressure, .150
Clouds: Amount, 10; Kind, Stratus Direction, SW
Velocity of clouds (miles per hour)

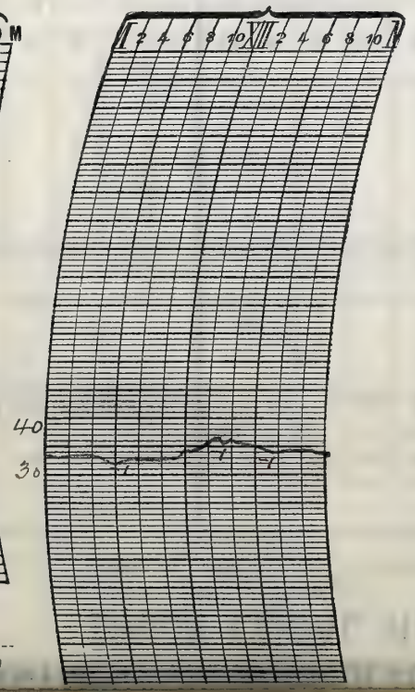
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cloudy weather with mild and almost stationary temperature.

Prepared by A. S. Baker
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 25 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	32	33	33	35	35	35	38	40	41	46	47	47	47	46	44	41	40	39	39	38	38	37
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								Clear	—	—	—	—	Partly	Cloudy	Cloudy	Cloudy	Partly	Cloudy	—	Clear				
Sunrise: Time, 6:18; Character, Cloudy																					Sunset: Time, 4:49; Character, Cloudy			
Moonrise: 1:31a																					Moonset: — —			
Sunshine (in tenths of hours)							0	0	0.6	1.0	1.0	1.0	1.0	1.0	0.2	0	0							
Wind direction	SE	S	S	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W
Wind movement	4	6	6	6	8	9	10	8	8	10	12	12	13	16	15	12	11	8	7	9	9	10	11	10
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	32	40	

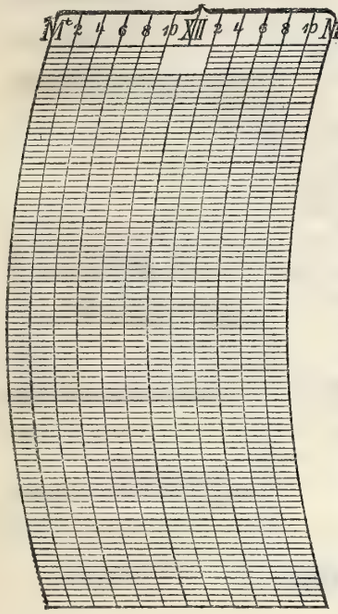
Total depth of snow for 24 hours ending 7 p. m., 6 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Partly Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 5.8 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 59
Prevailing wind direction, S Total wind 230
Average hourly velocity, 9.6 Extreme velocity, 21
Maximum velocity, 19 Direction, SW.
Time began, 2:08 p.m.
Reduced barometer, 30.01, 7 a. m., 29.91, 7 p. m.
River gage, 4.9 ft.
Relative humidity, 73, 7 a. m., 82, 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

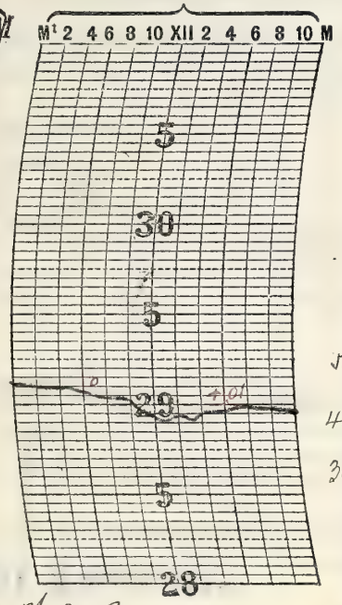
OBSERVATIONS AT ~~12 NOON~~ 12:35 P.M.
(Local Mean Time.)

Dry temperature, 44.6 Wet temperature, 40.0
Dew-point, 34 R. humidity, 67 V. pressure, .195
Clouds: Amount, 2; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

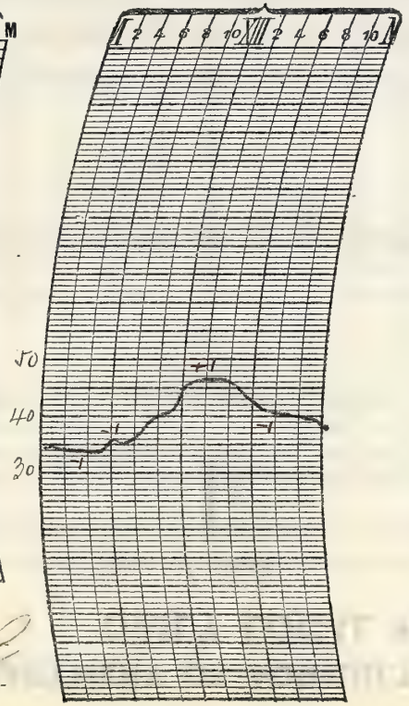
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Faint moonlight in the early morning hours.
Increasing cloudiness during the day with a partial solar halo, 22° radius, at 3:40 p.m. Mild temperatures obtained.

Prepared by N. S. Baker.
Verified by F. McDonough

8—456

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 26 1919, 191

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	36	34	32	31	30	30	32	35	38	40	43	45	46	46	46	45	41	40	38	37	36	36	35
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Clear →																							
Sunshine (in tenths of hours)							0.05 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.25 0.6							
Wind direction	W	W	W	W	W	W	SW	W	W	W	W	W	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	10	8	9	9	6	8	7	8	8	9	8	11	13	16	16	15	13	12	12	11	10	11	10	11
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:57 Character, Clear
Moonrise: 2:27a
Sunset: Time, 4:57 Character, Clear
Moonset: 12:06p.

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

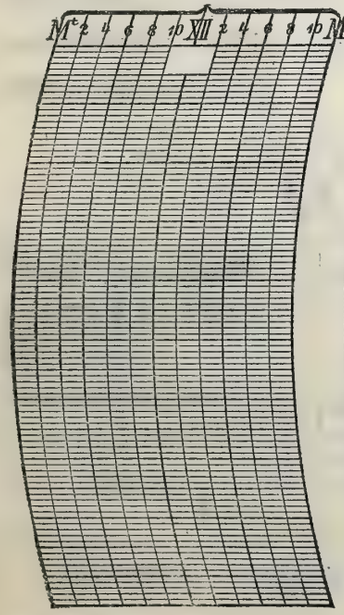
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	30	38	

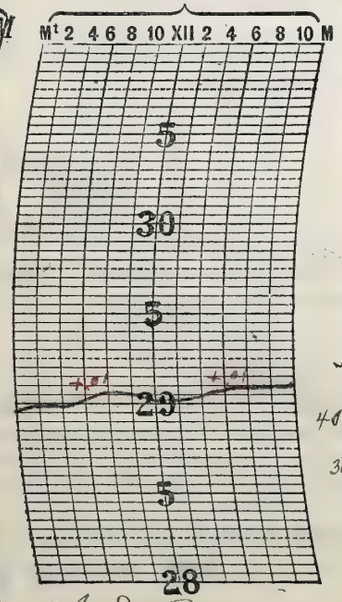
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 9.9 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 100
Prevailing wind direction, SW-W Total wind 257
Average hourly velocity, 10.5 Extreme velocity, 24
Maximum velocity, 19 Direction, SW
Time began, 3:30pm.
Reduced barometer, 30.00, 7 a. m. 30.05, 7 p. m.
River gage, 4.6 ft.
Relative humidity, 81, 7 a. m. 61, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 1:38 P.M.
(Local Mean Time.)
Dry temperature, 43.0 Wet temperature, 38.6
Dew-point, 33 R. humidity, 68 V. pressure, .187
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

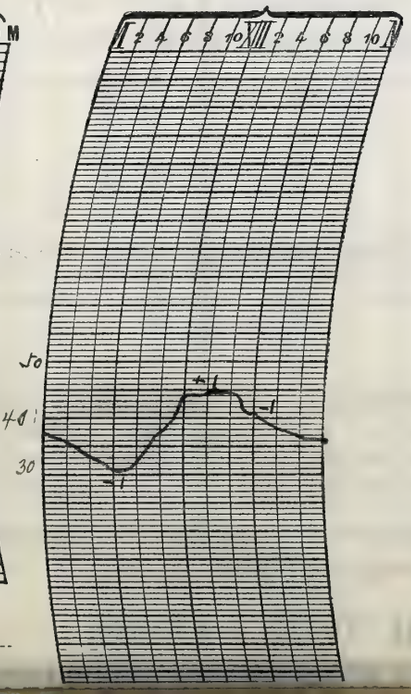
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Fair - moonlight in the early morning hours.
Clear, pleasant day.

Prepared by N. S. Baker
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 27 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	34	34	34	34	33	33	35	39	42	44	50	49	49	49	48	44	43	42	41	40	39	38	39
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								Clear					Cloudy			Clear								
Sunshine (in tenths of hours)							0.07 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0	0.8	0.9	0.7	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	SW
Wind movement	9	12	10	10	11	9	7	9	10	8	8	10	11	11	10	10	8	8	7	7	7	7	9	8
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:56; Character, Clear. Moonrise: 3:33a

Sunset: Time, 4:52; Character, Cloudy. Moonset: 12:54p.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

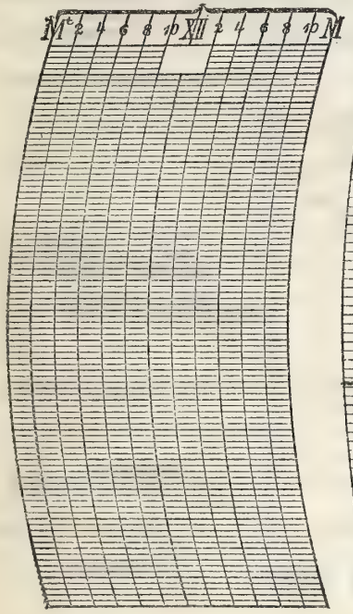
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	33	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 8.5 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 86
Prevailing wind direction, SW Total wind 216
Average hourly velocity, 9.0 Extreme velocity, N
Maximum velocity, 14 Direction, SW.
Time began, 1:26 p.m.
Reduced barometer, 30.10, 7 a. m. 30.06, 7 p. m.
River gage, 4.5 ft
Relative humidity, 84 7 a. m. 60, 7 p. m.

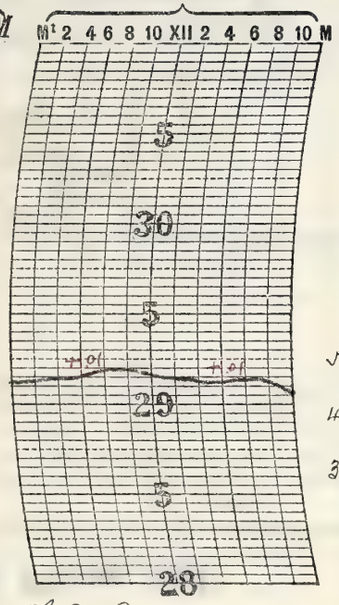
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 49.0 Wet temperature, 40.8
Dew-point, 30 R. humidity, 48 V. pressure, .164
Clouds: Amount, 4; Kind, a. St.; Direction, W
Velocity of clouds (miles per hour)

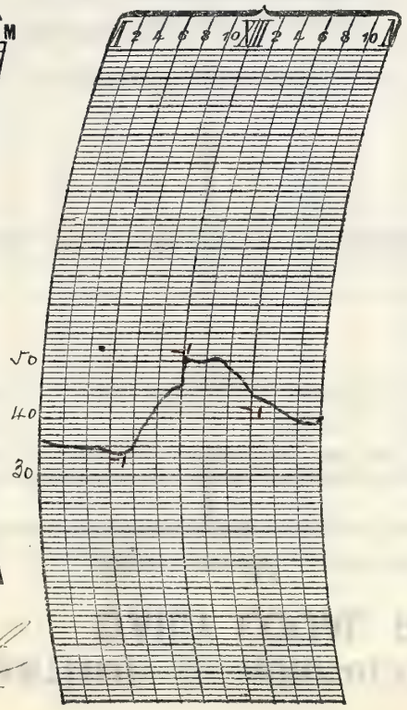
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Moonlight in the early morning
Day clear, but with some cloudiness - Mild temperature.

Prepared by H. S. Baker
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 28 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	37	36	36	34	33	33	32	32	33	34	34	35	36	35	35	33	31	32	32	32	31	31	30
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy						Cloudy						Cloudy					
Sunshine (in tenths of hours)							0	0	0	0.9	0.9	0.6	0.6	0.9	1.0	0.5	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	8	8	10	10	10	9	9	11	10	15	16	16	19	19	18	17	15	15	11	12	10	11	11	13
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:55 Character, Cloudy
Moonrise: 4:15a

Sunset: Time, 4:53 Character, Cloudy
Moonset: 1:49p

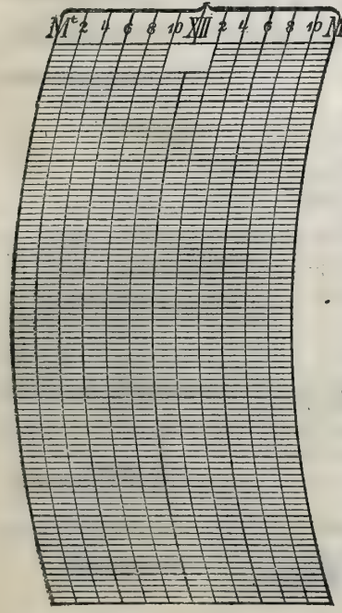
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	30	34	

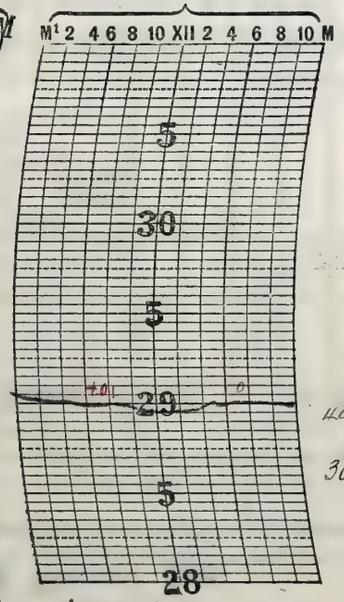
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 5.4 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 54
Prevailing wind direction, W Total wind 303
Average hourly velocity, 12.6 Extreme velocity, 25
Maximum velocity, 24 Direction, W
Time began, 12:26 pm.
Reduced barometer, 29.95, 7 a. m. 29.95, 7 p. m.
River gage, 4.3 ft.
Relative humidity, 86, 7 a. m. 84 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 35.2 Wet temperature, 31.2
Dew-point, 25 R. humidity, 64 V. pressure, .130
Clouds: Amount, 7; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

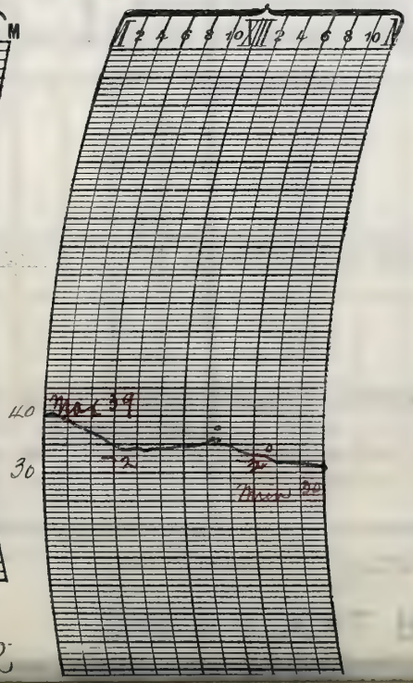
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather during the day was somewhat colder and mostly cloudy.

Prepared by H. S. Baker.
Verified by T. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 29 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	30	29	29	29	29	30	30	30	30	30	31	33	36	36	37	36	34	33	32	31	30	30	30
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								Cloudy →					Partly			← Clear								
Sunshine (in tenths of hours)							0	0	0	0	0.2	0.8	1.0	1.0	1.0	1.0	0.4							
Wind direction	W	W	W	W	NW	NW	NW	NW	NW	NW	W	W	W	W	W	SW	SW	SW	SW	S	S	SW	S	S
Wind movement	13	11	10	9	11	11	10	13	10	9	7	9	9	9	10	9	8	6	7	8	9	9	8	9

Sunrise: Time, 6:55 Character, Cloudy
Moonrise: 5:03a
Sunset: Time, 4:54 Character, Clear
Moonset: 2:50p

Maximum velocities (exceeding 29 miles) direction and time.

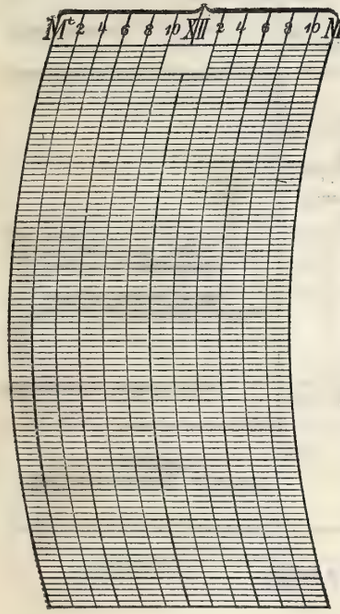
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	29	33	

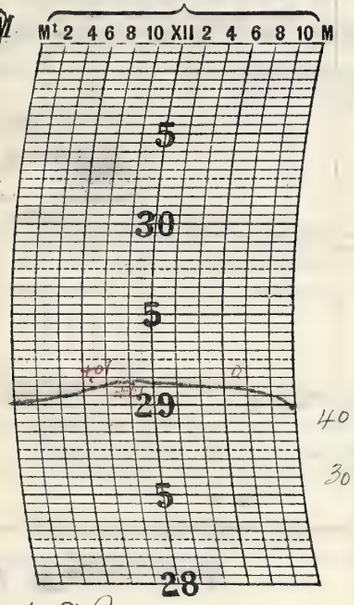
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 5.9 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 59
Prevailing wind direction, W Total wind 224
Average hourly velocity, 9.3 Extreme velocity, 17
Maximum velocity, 16 Direction, W
Time began, 12:55 am.
Reduced barometer, 30.02 7 a. m. 30.02 7 p. m.
River gage, 4.2 ft.
Relative humidity, 84 7 a. m. 67 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 PM
(Local Mean Time.)
Dry temperature, 32.1 Wet temperature, 28.7
Dew-point, 23 R. humidity, 66 V. pressure, .118
Clouds: Amount, 8; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

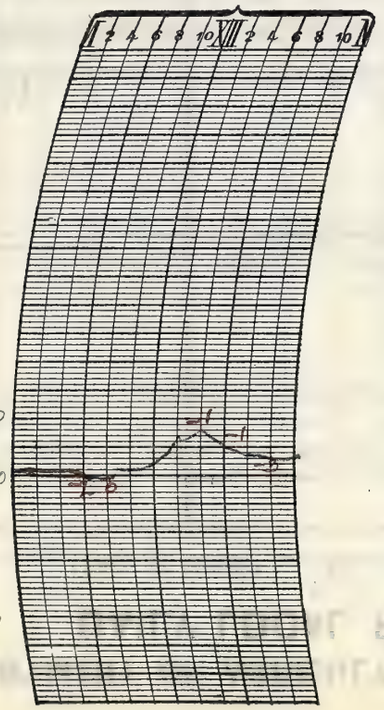
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Decreasing cloudiness from the morn observation. Mild temperatures. Very pleasant weather.

Prepared by A. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 30 1919, 191

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	31	32	35	34	34	34	33	34	36	38	39	41	43	43	44	43	41	39	37	35	35	35	34	33
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Clear →																	
Sunshine (in tenths of hours)							0.10 0	1.0 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.52 0.4							
Wind direction	S	SW	SW	SW	SW	SW	W	W	NW	NW	NW	NW	NW	NW	W	W	W	W	SW	SW	SW	SW	SW	SW
Wind movement	11	10	12	13	11	9	10	9	10	15	13	12	11	10	10	10	9	7	8	9	10	9	10	10
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:54; Character, Clear. Moonrise: 5:44a

Sunset: Time, 4:55; Character, Clear. Moonset: 3:53p

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

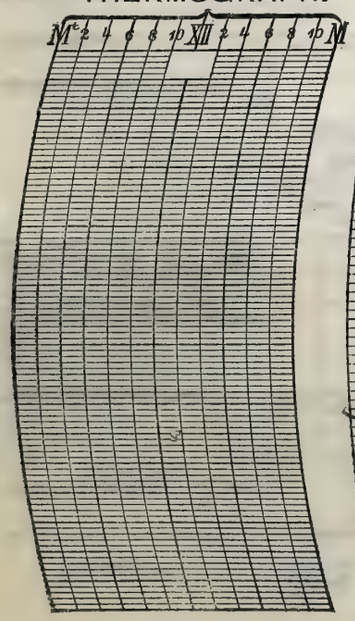
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	30	37	

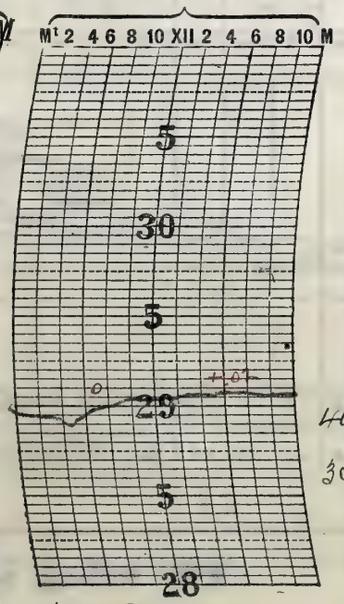
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0–10), 1
Actual sunshine, hours, 10.0 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 248
Average hourly velocity, 10.3 Extreme velocity, 19
Maximum velocity, 18 Direction, NW
Time began, 9:45 am
Reduced barometer, 29.91 7 a. m. 30.03 7 p. m.
River gage, 3.9 ft.
Relative humidity, 85 7 a. m. 65 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 40.5 Wet temperature, 35.5
Dew-point, 28 R. humidity, 62 V. pressure, .150
Clouds: Amount, 1 ; Kind, cirro-stratus ; Direction, NW
Velocity of clouds (miles per hour)

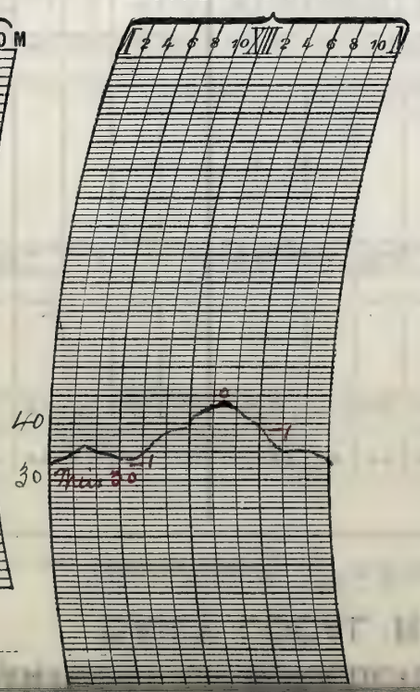
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear, fine weather, with mild temperature.

Prepared by N. S. Baker

Verified by F. W. Donnell

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 31 1910, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	31	31	30	28	28	28	29	32	34	37	38	39	39	39	37	36	34	33	29	28	27	26	25
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						L					Clear									7				
Sunshine (in tenths of hours)							0.12 0	1.0 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.45 0.5							
Wind direction	SW	SW	W	W	SW	SW	W	W	W	NW	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N
Wind movement	10	9	10	7	7	6	7	5	5	8	7	8	9	10	10	9	7	6	6	6	5	6	5	4
Maximum velocities (exceeding 20 miles) direction and time																								

Sunrise: Time, 6:53; Character, Clear. Moonrise: 6:22a

Sunset: Time, 4:57; Character, Clear. Moonset: 5:01p.

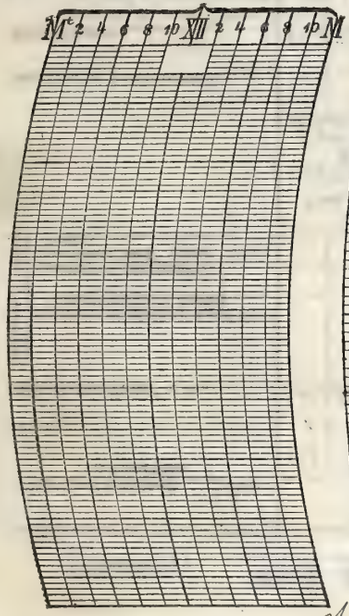
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	25	32	

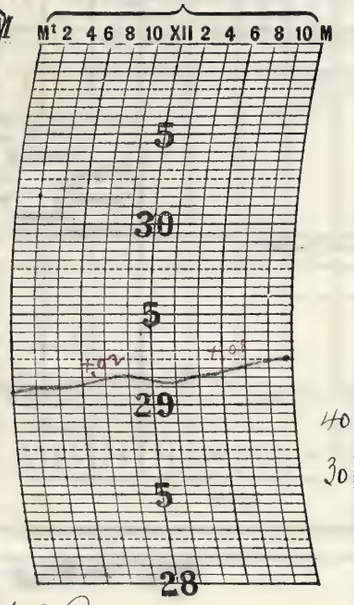
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, New Moon, 5:07 pm
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 10.1 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 100
Prevailing wind direction, NW Total wind 172
Average hourly velocity, 7.2 Extreme velocity, 11
Maximum velocity, 11 Direction, W
Time began, 2:15 am.
Reduced barometer, 30.08 7 a. m. 30.13 7 p. m.
River gage, 3.4 ft.
Relative humidity, 76 7 a. m. 77 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 2:38 p.m.
(Local Mean Time.)
Dry temperature, 38.5 Wet temperature, 31.0
Dew-point, 18 R. humidity, 40 V. pressure, .093
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

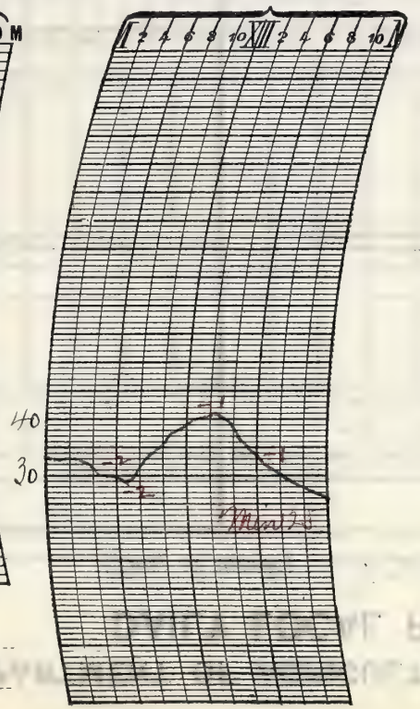
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather was Clear and fine with mild temperature.

Prepared by H. S. Baker.

Verified by A. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 1 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	23	22	21	20	19	20	20	22	23	24	26	28	29	29	30	29	29	28	27	26	25	24	24
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← clear →																	
Sunshine (in tenths of hours)							0.13 0	0.8 0.2	1.0	0.9	0.4	1.0	1.0	1.0	1.0	1.0	0.97 0.7							
Wind direction	N	N	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E	E
Wind movement	4	10	7	5	5	5	6	6	8	8	8	5	4	4	5	4	4	3	3	2	5	4	5	3
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:52 Character, Clear
Moonrise: 6:57 A.M.
Sunset: Time, 4:58 Character, Clear
Moonset: 6:07 P.M.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

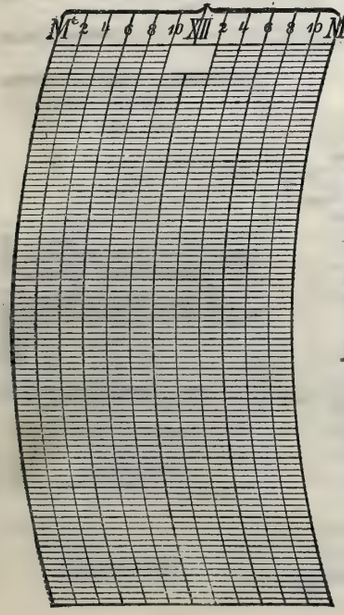
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
30	19	24	

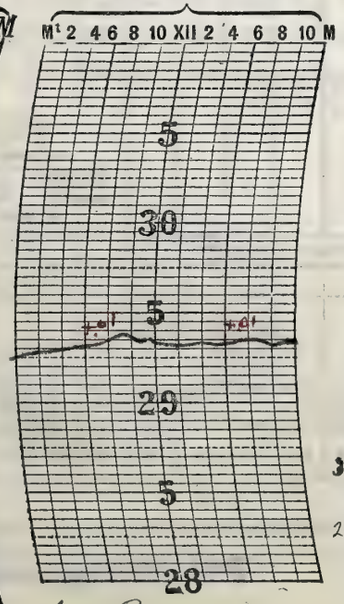
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 9.4 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 93
Prevailing wind direction, NE Total wind 123
Average hourly velocity, 5.1 Extreme velocity, 14
Maximum velocity, 13 Direction, NE.
Time began, 1:19 a.m.
Reduced barometer, 30.29 7 a. m. 30.27 7 p. m.
River gage, 3.5 ft.
Relative humidity, 77 7 a. m. 66 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 27.0 Wet temperature, 23.0
Dew-point, 14 R. humidity, 53 V. pressure, .077
Clouds: Amount, 3; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

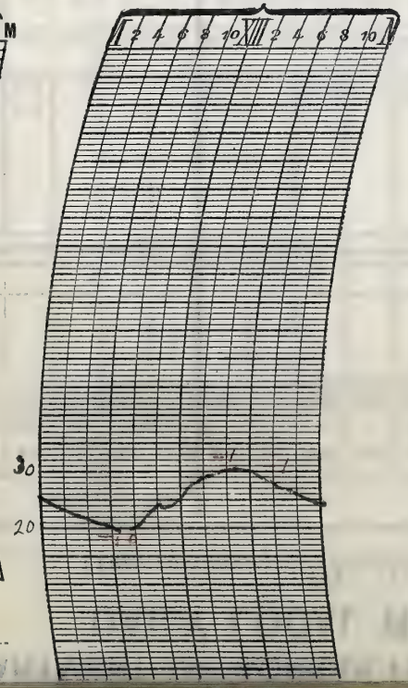
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather was cool but fine.

Prepared by A. S. Baker.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 2 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	23	22	22	21	20	19	18	20	24	29	31	33	35	37	37	37	36	35	34	33	33	32	32	32
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear	→		← Partly			Cldy		Cldy		Partly			Clear				
Sunshine (in tenths of hours)							0.15 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	0.4	0	×0.9							
Wind direction	E	E	E	E	E	E	E	E	E	E	SE	E	E	E	E	SE	E	E	E	E	E	E	E	E
Wind movement	4	4	3	3	5	4	6	5	7	6	6	7	8	7	7	6	7	8	7	7	6	8	7	6
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:51 Character, Clear
Moonrise: 7:28 P.M.
Sunset: Time, 4:59 Character, Clear
Moonset: 7:21 P.M.

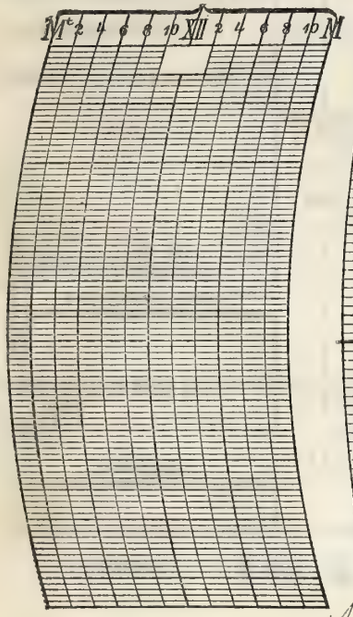
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	18	28	

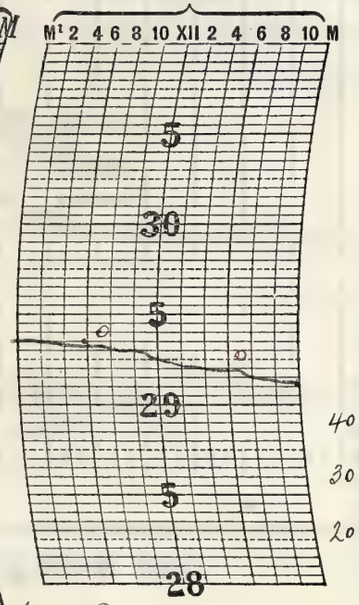
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Partly Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 8.5 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 84
Prevailing wind direction, E Total wind 144
Average hourly velocity, 6.0 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 12:55 pm.
Reduced barometer, 30.27, 7 a. m. 30.13, 7 p. m.
River gage, 3.1 ft.
Relative humidity, 75, 7 a. m. 81, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 32.5 Wet temperature, 27.5
Dew-point, 18 R. humidity, 51 V. pressure, .093
Clouds: Amount, 8; Kind, a St.; Direction, W
Velocity of clouds (miles per hour)

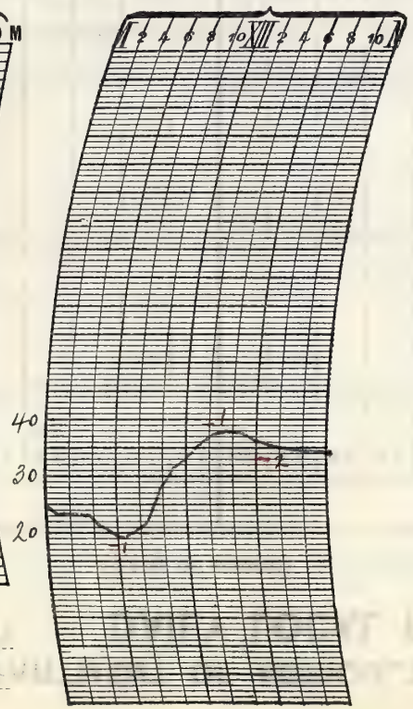
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



× From eye observation.

NOTES.

The weather was clear in the morning and night but there was some cloudiness during the day. Cloudy in the morning but temperature was cloudy during the day.

Prepared by N. S. Baker
Verified by C. M. Wright

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB 3 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	32	32	33	33	34	36	39	43	47	50	51	52	52	52	50	49	47	45	44	44	43	36
State of weather: Nature of precipitation and time of beginning and ending																				RB 7:05	—	RE 9:20		RB IN
Amounts of precipitation																								
Cloudiness and other conditions	← Cloudy →																							
Sunshine (in tenths of hours)							0	0	0	0	0	0	01	03	02	04	0							
Wind direction	E	E	E	E	E	E	E	E	E	SE	S	S	S	S	S	S	S	SE	S	S	S	S	S	S
Wind movement	5	6	5	4	5	4	6	4	3	5	9	8	8	11	11	9	8	9	9	10	11	12	12	13

Sunrise: Time, 6:50; Character, Cloudy. Moonrise: 7:59 A.M.

Sunset: Time, 5:01; Character, Cloudy. Moonset: 8:33 P.M.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

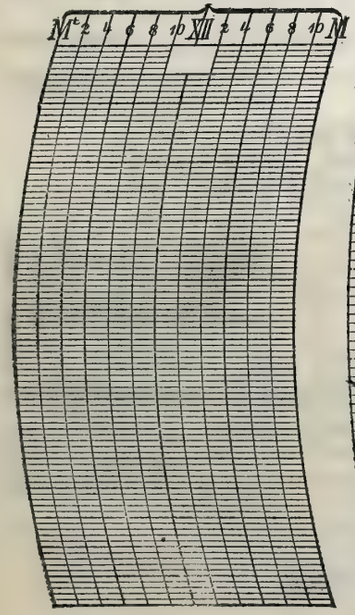
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	32	42	

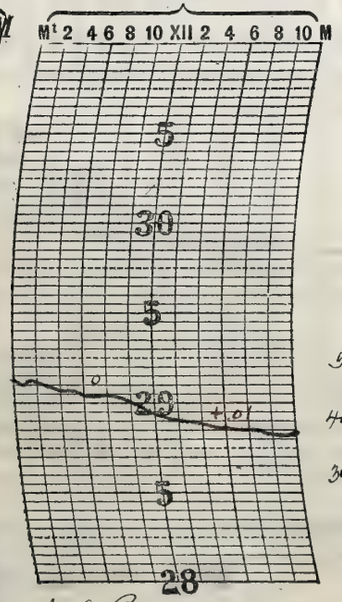
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 10
Prevailing wind direction, S Total wind 187
Average hourly velocity, 7.8 Extreme velocity, 15
Maximum velocity, 14 Direction, SW.
Time began, 11:46 pm.
Reduced barometer, 29.98, 7 a. m. 29.81, 7 p. m.
River gage, 3.0 ft.
Relative humidity, 66, 7 a. m. 72, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 46.8 Wet temperature, 40.0
Dew-point, 31 R. humidity, 55 V. pressure, .172
Clouds: Amount, 10; Kind, St.; Direction, SE
Velocity of clouds (miles per hour)

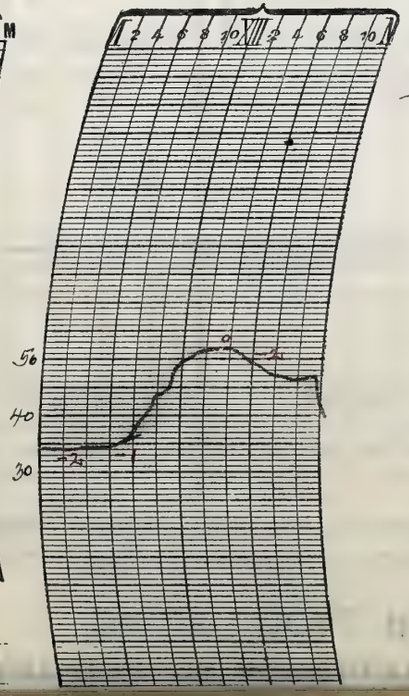
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Warm and Cloudy, with light rain in the late night.

Prepared by N. S. Baker.

Verified by P. McDonough.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 4 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	32	31	29	27	26	25	25	25	26	26	27	28	29	29	28	26	24	23	22	22	20	20	19
State of weather: Nature of precipitation and time of beginning and ending	–	–	RE IN	•																				
Amounts of precipitation																								
Cloudiness and other conditions								Cloudy					Cldy			Clear								
Sunshine (in tenths of hours)							0	0	0	0	0	0.9	0.8	1.0	1.0	1.0	0.6	0						
Wind direction	W	SW	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	14	14	12	13	17	17	15	15	14	16	15	15	16	17	16	17	14	13	14	12	11	9	10	10
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:49; Character, Cloudy. Moonrise: 8:31 A.m.

Sunset: Time, 5:02; Character, Clear. Moonset: 9:44 P.M.

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

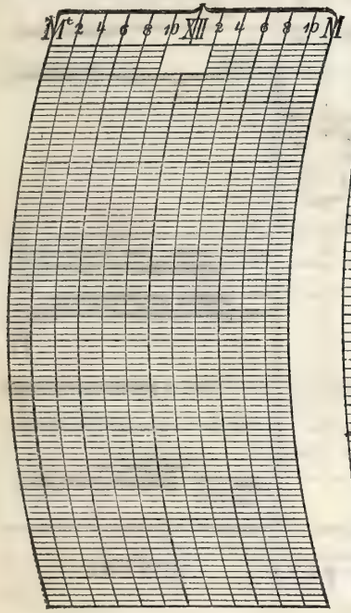
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	19	28	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 01 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cldy. Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 5.7. Possible sunshine, hours, 10.2
Per cent of possible sunshine, 56
Prevailing wind direction, W. Total wind 336
Average hourly velocity, 14.0. Extreme velocity, x24
Maximum velocity, x21. Direction, W.
Time began, 4:16 am
Reduced barometer, 29.91 7 a. m. 30.06 7 p. m.
River gage, 3.1 ft.
Relative humidity, 85 7 a. m. 60 7 p. m.

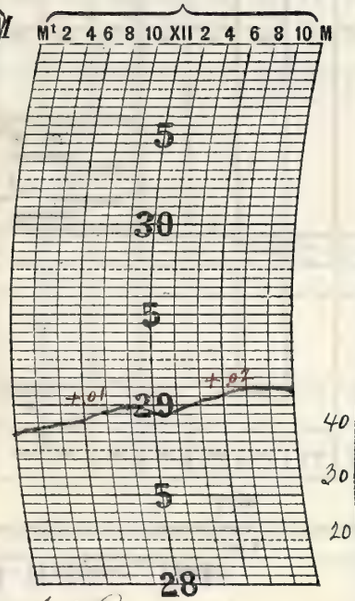
OBSERVATIONS AT ~~12 NOON~~ 2:38 P.M.
(Local Mean Time.)

Dry temperature, 25.5. Wet temperature, 23.0
Dew-point, 18. R. humidity, 69. V. pressure, .093
Clouds: Amount, 6; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

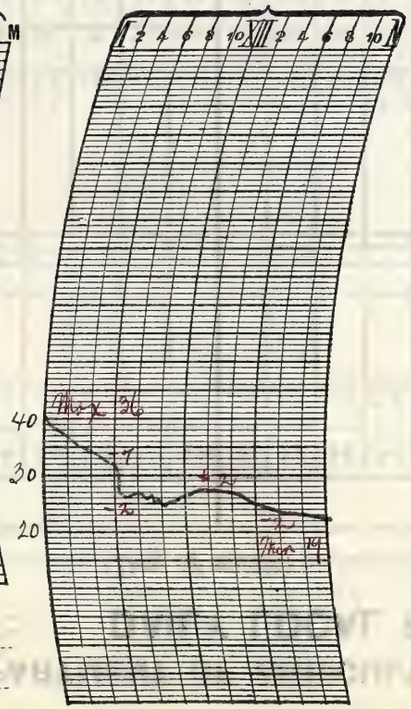
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



x Max & Ex. velocities for 22½ hours.

NOTES.

Light rain in the early morning with decreasing cloudiness during the day the late afternoon and night being clear with fair moonlight in the early night. The temperature fell decidedly from the night of the 3d, the day being uncomfortably cold.

Prepared by W. S. Baker.

Verified by C. M. Conrey.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 5 1919, 191

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	19	18	17	16	14	14	15	16	18	20	21	25	26	28	29	29	29	27	25	24	23	21	21	20
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←				Clear													→
Sunshine (in tenths of hours)							0.20 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.1 0.9	1.0 0	1.0 0						
Wind direction	W	W	W	SW	SW	W	W	W	W	W	W	NW	W	NW	NW	W	NW	NW	W	W	W	W	NW	W
Wind movement	9	10	10	9	10	10	9	11	10	12	11	11	9	10	9	8	4	5	4	5	4	4	4	3

Sunrise: Time, 6:48 Character, Clear

Moonrise: 9:03 A.M.

Sunset: Time, 5:03 Character, Clear

Moonset: 10:56 P.M.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
29	14	22	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 0

Actual sunshine, hours, 10.2 Possible sunshine, hours, 10.2

Per cent of possible sunshine, 100

Prevailing wind direction, W Total wind 191

Average hourly velocity, 8.0 Extreme velocity, 16

Maximum velocity, 15 Direction, N

Time began, 9:32 a.m.

Reduced barometer, 30.09, 7 a. m. 30.03, 7 p. m.

River gage, 2.8 ft.

Relative humidity, 79, 7 a. m. 56, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

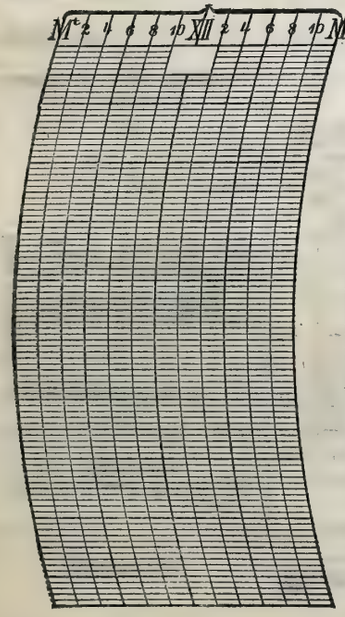
Dry temperature, 27.2 Wet temperature, 23.4

Dew-point, 15 R. humidity, 56 V. pressure, .081

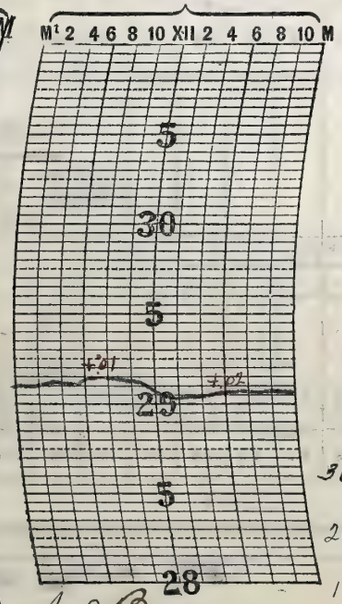
Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

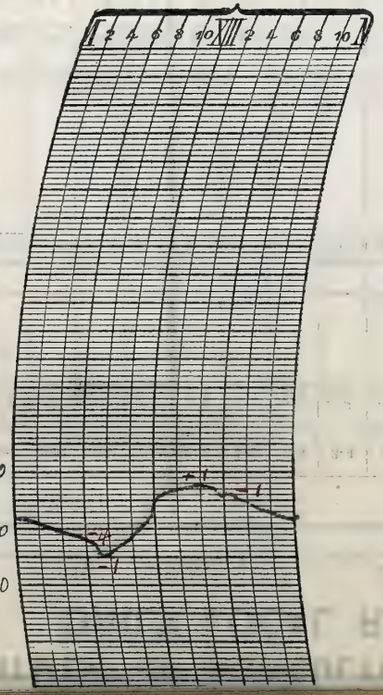
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and cool weather, moderate moonlight at night.

Prepared by A. S. Baker.

Verified by T. W. Snough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 6 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	20	19	19	18	17	17	20	22	26	27	28	30	31	31	21	31	31	30	30	30	29	29	29	29
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear			Clear			Partly			Cloudy								
Sunshine (in tenths of hours)							0.22	1.0	0.5	1.0	1.0	1.0	1.0	0.6	0	0	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W	W	W	W	W	W	NW	NW	W	W	W	W
Wind movement	5	5	6	5	5	7	5	5	4	6	8	9	11	10	9	10	9	8	6	7	5	4	5	4
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:47; Character, Clear. Moonrise: 9:39 P.M.

Sunset: Time, 5:04; Character, Cloudy. Moonset: — — —

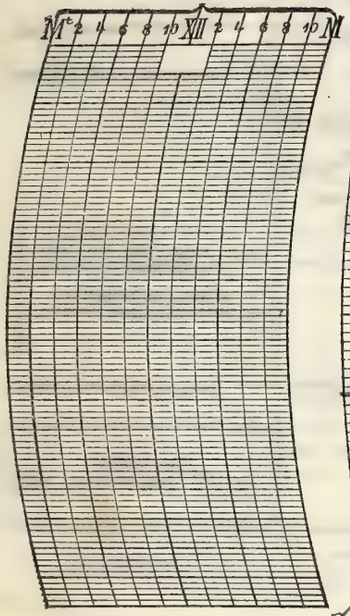
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
31	17	24	

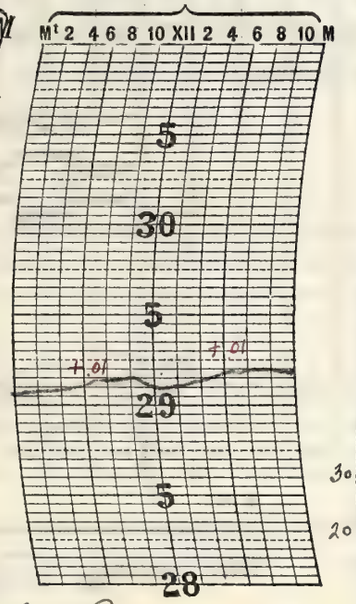
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Ft. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 6.3 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 61
Prevailing wind direction, W Total wind 158
Average hourly velocity, 6.6 Extreme velocity, 14
Maximum velocity, 13 Direction, W
Time began, 12:58 p.m.
Reduced barometer, 30.08, 7 a. m. 30.15, 7 p. m.
River gage, 2.2 ft.
Relative humidity, 76 7 a. m. 62 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 31.0 Wet temperature, 25.4
Dew-point, 13 R. humidity, 43 V. pressure, .074
Clouds: Amount, 3; Kind, cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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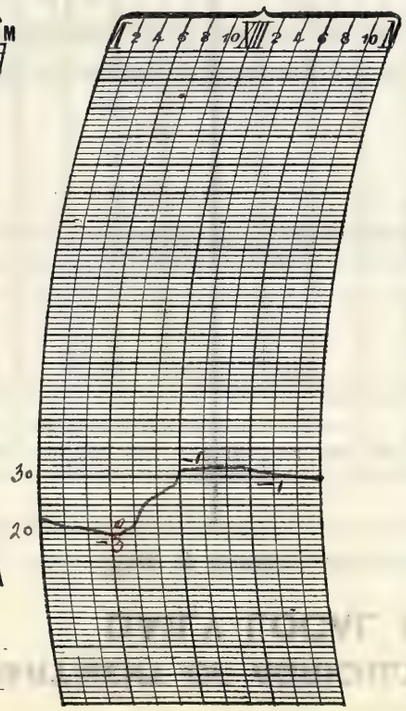


NOTES.

* From eve obs.

Increasing cloudiness after the am. observation, the late afternoon being threatening. Somewhat warmer, but the temperature changes were small.

Prepared by A. S. Bates.
Verified by A. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) FEB. 7 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	29	29	29	29	28	28	27	26	27	28	31	32	32	32	30	29	28	28	26	25	24	23	23
					S 8					S 8 E				S 10									S E	
State of weather. Nature of precipitation and time of beginning and ending					J.N	—	—	—	—	9:55				1:40	—	—	—	—	—	—	—	—	J.N.	
Amounts of precipitation																								
Cloudiness and other conditions					←					Cloudy											→			

Sunrise: Time, 6:45 Character, Cloudy

Moonrise: 10:20 A. M.

Sunset: Time, 5:05 Character, Cloudy

Moonset: 12:07 A. M.

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)							0	0	0	0	0.2	0.4	0.3	0	0	0	0	0						
Wind direction	W	SW	SW	SW	W	NW	NW	W	NW	NW	E	S	SW	SW	SW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	4	4	4	3	4	4	4	4	3	3	2	5	6	4	6	6	6	6	4	6	6	9	8	6
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
32	23	28	

Total depth of snow for 24 hours ending 7 p. m., 0.6 inches.

Snow, sleet, and hail on ground 7 p. m., 0.3 inches.

Total snowfall, midnight to midnight, 0.7 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0.4 ins.

Total precipitation, midnight to midnight, 0.5 inches.

Character of day, Cloudy Moon phase, ~~First Quarter~~ 12:57 a. m.

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.9 Possible sunshine, hours, 10.3

Per cent of possible sunshine, 9

Prevailing wind direction, NW Total wind 117

Average hourly velocity, 4.9 Extreme velocity, 11

Maximum velocity, 11 Direction, NW

Time began, 9:23 Am

Reduced barometer, 30.17, 7 a. m. 30.17, 7, p. m.

River gage, 2.5 ft

Relative humidity, 88, 7 a. m. 88, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M. (Local Mean Time.)

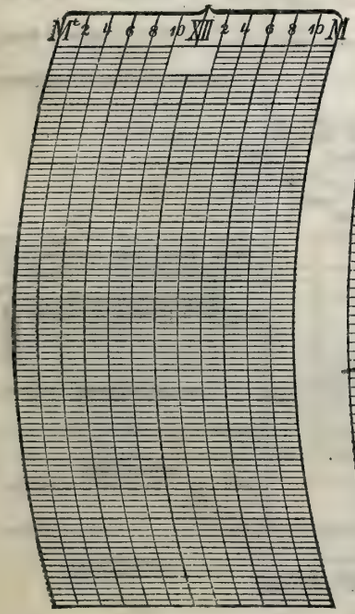
Dry temperature, 32.2 Wet temperature, 30.2

Dew-point, 27 R. humidity, 79 V. pressure, .143

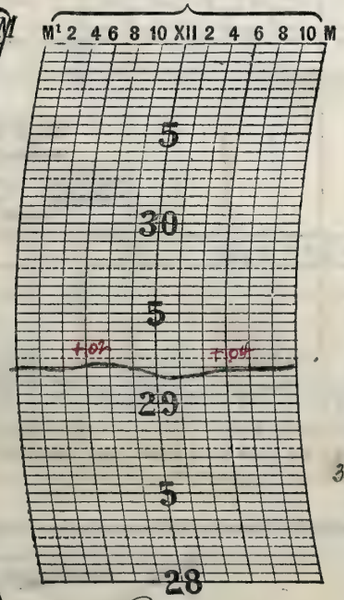
Clouds: Amount, 4; Kind, St.; Direction, SW

Velocity of clouds (miles per hour)

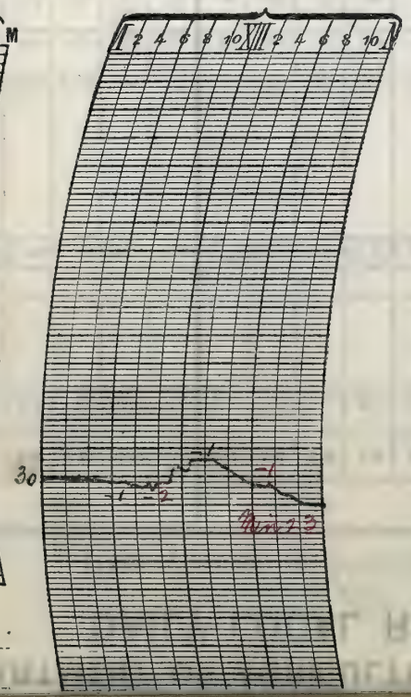
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cool and cloudy, with light snow.

Prepared by N. S. Baker

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 8 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	21	21	20	19	16	14	15	15	19	21	22	22	23	24	24	25	24	24	24	24	23	23	23	23
State of weather: Nature of precipitation and time of beginning and ending											S 4 B 10:55	–	–	–	–	–	–	–	–	–	–	–	S 4 E D.N	
Amounts of precipitation																								
Cloudiness and other conditions							Clear				Pt Cloudy				Cloudy									
Sunshine (in tenths of hours)							0.27 0	1.0 0	0.3 0.7	1.0	0.6	0.5	0	0	0	0	0	0						
Wind direction	NW	W	W	SW	SW	W	W	W	W	NW	NW	NW	NW	NW	N	NW	W	W	W	W	W	NW	W	W
Wind movement	5	4	5	6	6	7	6	6	8	11	10	8	8	8	6	7	7	7	6	5	7	6	5	5

Sunrise: Time, 6:44 Character, Clear

Moonrise: - - -

Sunset: Time, 5:07 Character, Cloudy

Moonset: 1:16 a.m.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
25	14	20	✓

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.

Snow, sleet, and hail on ground 7 p. m., 0.2 inches.

Total snowfall, midnight to midnight, 0.1 inches.

Precipitation to 7 a. m., 01 ins.; to 7 p. m., 01 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10), 6

Actual sunshine, hours, 4.4 Possible sunshine, hours, 10.4

Per cent of possible sunshine, 42

Prevailing wind direction, W Total wind 159

Average hourly velocity, 6.6 Extreme velocity, 11

Maximum velocity, 11 Direction, NW

Time began, 10:00 am

Reduced barometer, 30.23, 7 a. m. 30.23, 7 p. m.

River gage, 2.3 ft.

Relative humidity, 79 7 a. m. 81 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M. (Local Mean Time.)

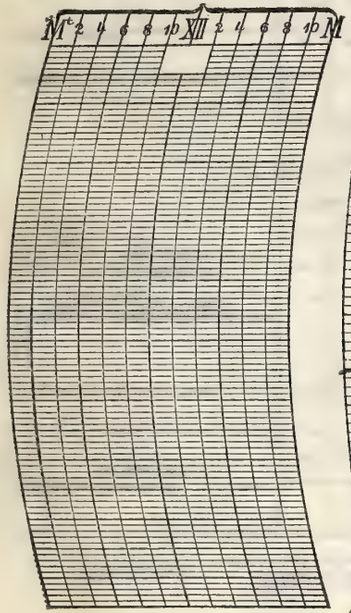
Dry temperature, 23.2 Wet temperature, 19.8

Dew-point, 11 R. humidity, 55 V. pressure, .066

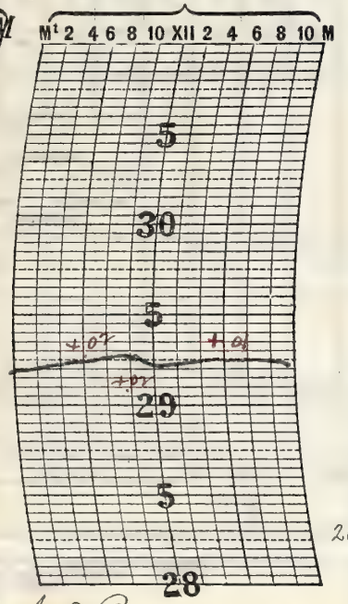
Clouds: Amount, 10; Kind, Nb; Direction, NW

Velocity of clouds (miles per hour)

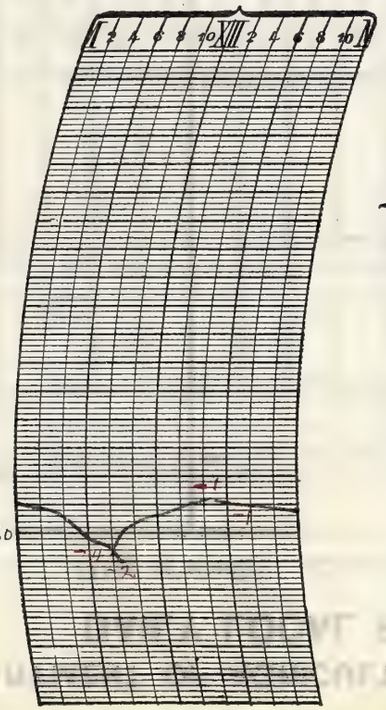
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Continued cool weather, increasing cloudiness after the clear observation, with snow flurries from 10:55 a.m. until the late night.

Prepared by H. S. Baker

Verified by C. M. Hennings

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 9 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	22	22	22	22	22	21	22	23	23	23	24	24
State of weather. Nature of precipitation and time of beginning and ending				Sd B; IN	–	–	–	–	–	Sd E; 9:50		
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	6:43 Cloudy											
Moonrise:	– – –											
Sunshine (in tenths of hours)							0	0	0	0	0	0.6
Wind direction	W	W	W	W	W	W	NW	NW	N	N	N	N
Wind movement	5	6	6	5	5	7	5	7	7	6	7	9

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	24	25	25	25	25	25	26	24	23	22	21	22
State of weather. Nature of precipitation and time of beginning and ending			Sd B; 2:10	–	–	–	–	Sd E; 7:35				Sd B; 11:30
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									5:08 Cloudy			
Moonset:									2:21 am			
Sunshine (in tenths of hours)	0.7	0.1	0.1	0	0	0						
Wind direction	N	N	N	NW	NW	NW	NW	NW	NW	W	W	W
Wind movement	9	8	8	9	6	5	6	6	5	5	6	5

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

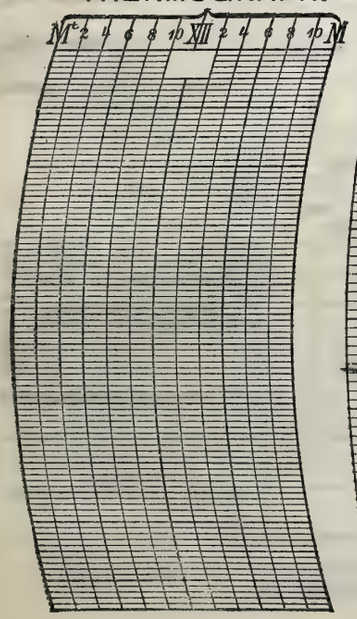
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
26	21	24	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.5 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 14
Prevailing wind direction, W Total wind 153
Average hourly velocity, 6.4 Extreme velocity,
Maximum velocity, 11 Direction, N
Time began, 11:26 am.
Reduced barometer, 30.16, 7 a. m. 30.18, 7 p. m.
River gage, 2.8 ft.
Relative humidity, 80, 7 a. m. 88, 7 p. m.

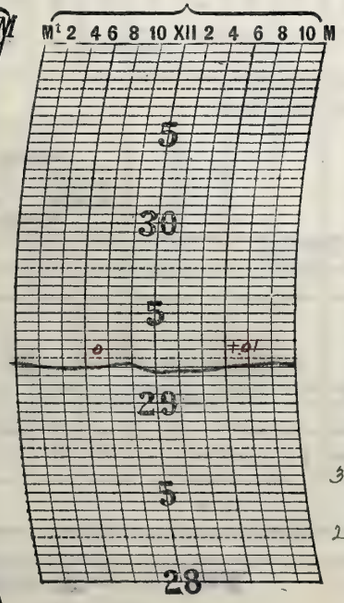
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 25.0 Wet temperature, 21.4
Dew-point, 13 R. humidity, 55 V. pressure, .074
Clouds: Amount, 10; Kind, Stratus Direction, NW.
Velocity of clouds (miles per hour)

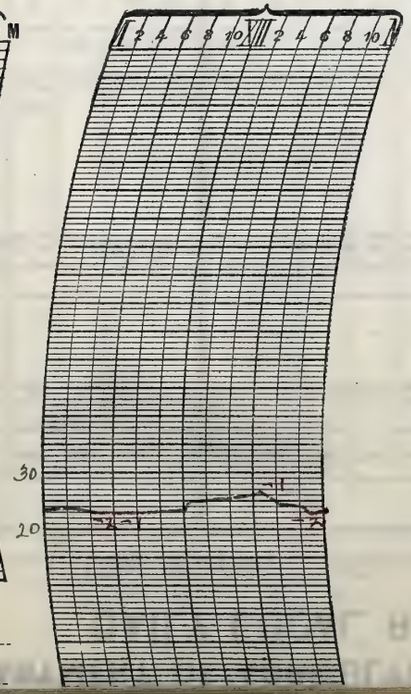
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Continued cool cloudy weather with snow flurries.

Prepared by N. S. Baker

Verified by P. M. Donough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Monday, (Date) FEB 10 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	22	23	23	23	24	23	24	24	25	27	29	31	33	35	35	34	31	31	30	29	29	28	28	27
State of weather. Nature of precipitation and time of beginning and ending	—	—	—	SdE T.N																				
Amounts of precipitation																								
Cloudiness and other conditions							←			Cloudy							→	Pt. Cloudy	←	Cloudy				
Sunshine (in tenths of hours)							0	0	0	0.2	0.4	1.0	0.6	0.9	1.0	0.5	0.3	0						
Wind direction	W	NW	NW	NW	W	NW	NW	N	N	N	NW	W	SW	SW	SW	S	S	SE	SE	SE	SE	SE	SE	S
Wind movement	6	5	5	5	4	4	5	4	4	4	4	5	6	4	4	4	5	4	3	5	7	6	5	7
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:42 Character, Cloudy
Moonrise: 12:59 P.M.
Sunset: Time, 5:09 Character, Cloudy
Moonset: 3:20 a.m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

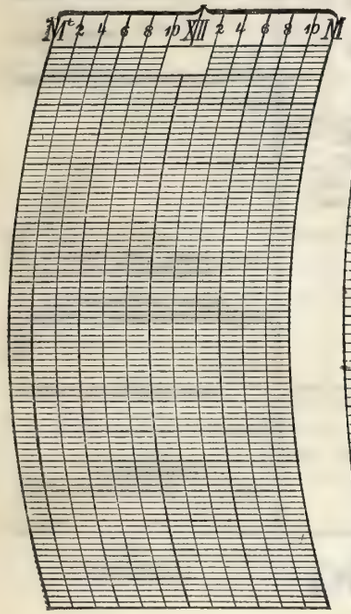
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	22	28	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 4.9 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 47
Prevailing wind direction, SE-NW Total wind 115
Average hourly velocity, 4.8 Extreme velocity, 10
Maximum velocity, 10 Direction, S
Time began, 11:17 pm.
Reduced barometer, 30.26, 7 a. m. 30.17, 7 p. m.
River gage, 2.5 ft.
Relative humidity, 74, 7 a. m. 68, 7 p. m.

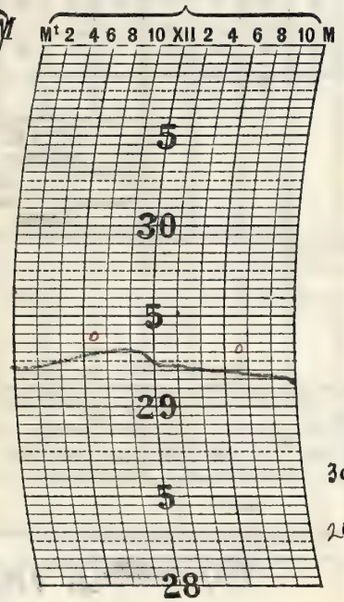
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 30.2 Wet temperature, 27.0
Dew-point, 21 R. humidity, 66 V. pressure, 108
Clouds: Amount, 7; Kind, St.Cu; Direction, W
Velocity of clouds (miles per hour)

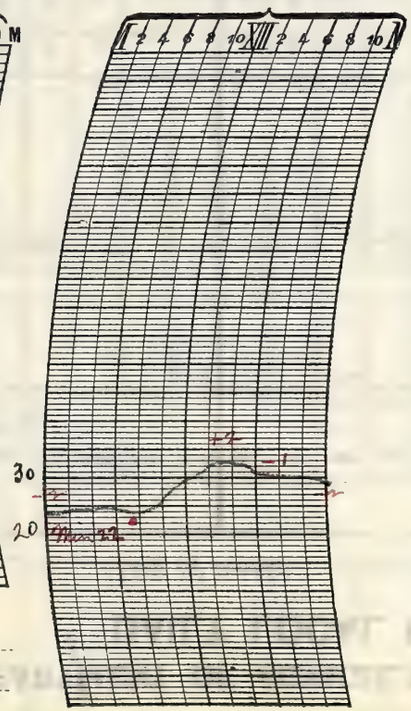
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Mostly cloudy with moderate temperature. Some showering. The moon was visible at intervals in the early part of the night.

Prepared by H. S. Baker

Verified by C. M. Conroy

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 11 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	28	29	29	28	29	29	31	32	33	34	33
State of weather: Nature of precipitation and time of beginning and ending												Sn 13 11:50
Amounts of precipitation												
Cloudiness and other conditions							Pt Cloudy			Cloudy		
Sunrise: Time, Character,	6:41 Cloudy											
Moonrise:	2:03 a.m.											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SE	S	S	S	S	S	S	S	S	S	S	S
Wind movement	7	8	9	9	9	8	7	8	9	11	11	13

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	33	33	33	33	32	32	32	34	35	37	38
State of weather: Nature of precipitation and time of beginning and ending	—	—	Sn E 2:30									
Amounts of precipitation												
Cloudiness and other conditions				Cloudy			Pt Cloudy		Clear			
Sunset: Time, Character,									5:10 Cloudy			
Moonset:									4:11 a.m.			
Sunshine (in tenths of hours)	0.2	0	0	0	0	0						
Wind direction	SW	S	SW	S	S	S	S	S	SW	SW	SW	SW
Wind movement	13	9	10	12	12	10	12	13	15	14	15	16

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	27	32	

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 0.2 Possible sunshine, hours, 10.5

Per cent of possible sunshine, 2

Prevailing wind direction, S Total wind 260

Average hourly velocity, 10.8 Extreme velocity, 18

Maximum velocity, 17 Direction, SW

Time began, 11:29 pm

Reduced barometer, 29.95 7 a. m. 29.82 7 p. m.

River gage, 2.4 ft.

Relative humidity, 72 7 a. m. 85 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

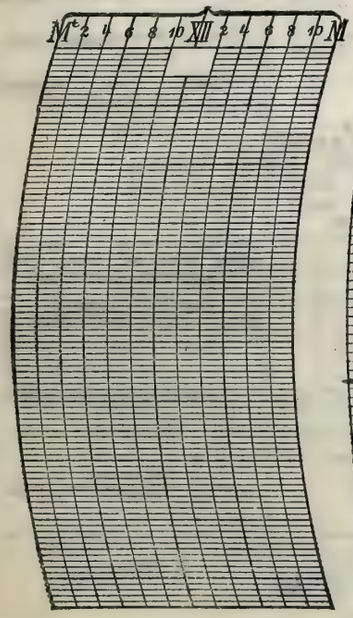
Dry temperature, 33.2 Wet temperature, 31.5

Dew-point, 29 R. humidity, 83 V. pressure, 157

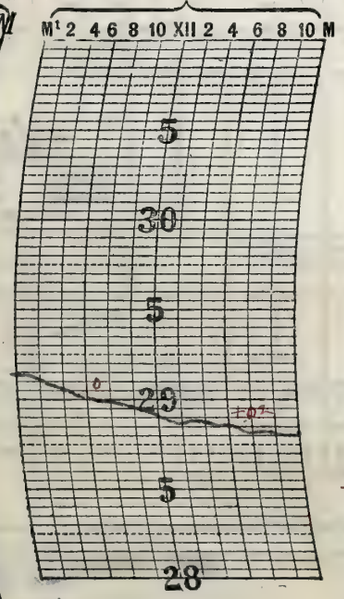
Clouds: Amount, 10; Kind, Nb; Direction, S

Velocity of clouds (miles per hour)

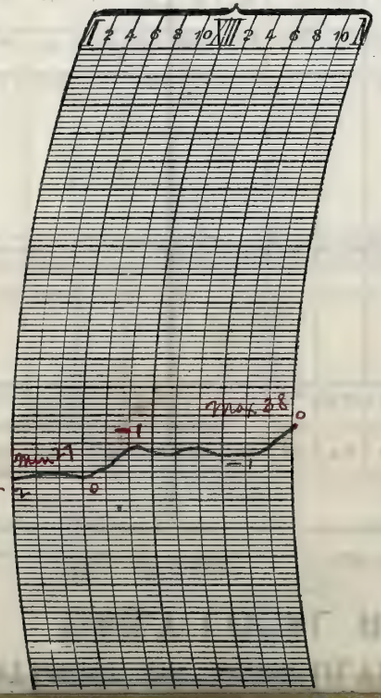
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The day was cloudy, as a rule, and night clear with moonlight. Mild temperatures prevailed.

Prepared by A. S. Baker

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 12 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	37	36	36	35	34	34	36	39	44	46	50	53	54	55	54	53	47	44	39	38	37	37	37
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←		Clear					—	Hazy	—	Clear	—	Hazy		Cloudy				
Sunshine (in tenths of hours)							0.35	1.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	S	S	S	SW	S	S	S	SE	S	S	SE	E	E	E
Wind movement	13	12	12	10	7	7	5	4	6	3	5	3	6	5	5	7	4	5	8	8	4	5	6	8
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:39 Character, Clear. Moonrise: 3:09 P.M.

Sunset: Time, 5:12 Character, Cloudy. Moonset: 4:54 A.M.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	34	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 1

Actual sunshine, hours, 9.4 Possible sunshine, hours, 10.6

Per cent of possible sunshine, 89

Prevailing wind direction, SW Total wind 158

Average hourly velocity, 6.6 Extreme velocity, 18

Maximum velocity, 17 Direction, SW

Time began, 1:04 am.

Reduced barometer, 29.81, 7 a. m. 29.76, 7 p. m.

River gage, 2.4 ft.

Relative humidity, 70, 7 a. m. 71, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M. (Local Mean Time.)

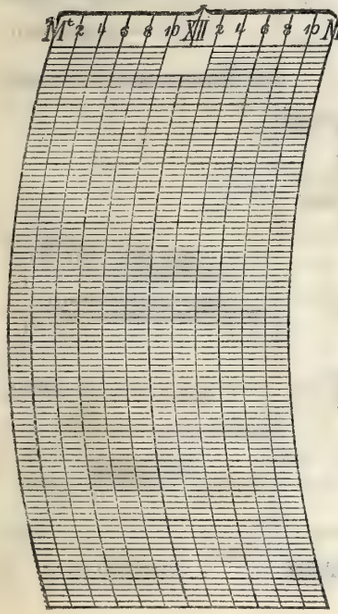
Dry temperature, 51.0 Wet temperature, 48.0

Dew-point, 34 R. humidity, 51 V. pressure, .195

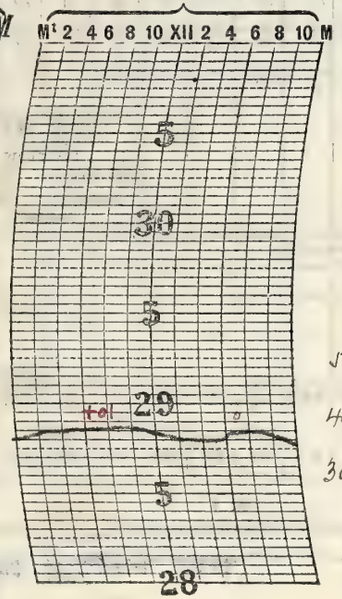
Clouds: Amount, 2 2 ; Kind, Ci St ; Direction, W W

Velocity of clouds (miles per hour)

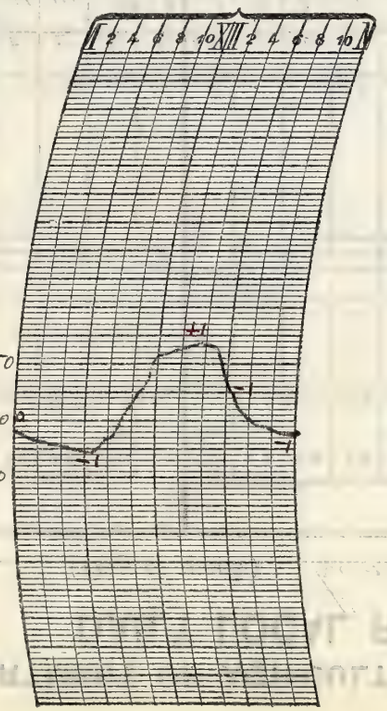
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Fine warm day. Some clouds in the afternoon and cloudy at night.

Prepared by N. S. Baker

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 13 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	37	38	38	40	40	39	40	41	43	43	44	47	49	52	52	50	49	48	45	44	43	41	43
		R 13												RE										R 13
State of weather. Nature of precipitation and time of beginning and ending		R. N.	—	—	—	—	—	—	—	—	—	—	—	1:20										R. N.
Amounts of precipitation																								
Cloudiness and other conditions							←			Cloudy								→	Cloudy					

Sunrise: Time, 6:38 Character, Cloudy
Moonrise: 4:14 P.M.

Sunset: Time, 5:13 Character, Cloudy
Moonset: 5:31 a.m.

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0.7	0.1	0						
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E	SE	SE	SE	SE	E	E	E	E	E	E	E	SW
Wind movement	9	9	8	8	10	11	12	11	11	14	15	13	12	9	8	7	7	9	9	7	8	5	7	13
Maximum velocities (exceeding 29 miles) direction and time																								

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

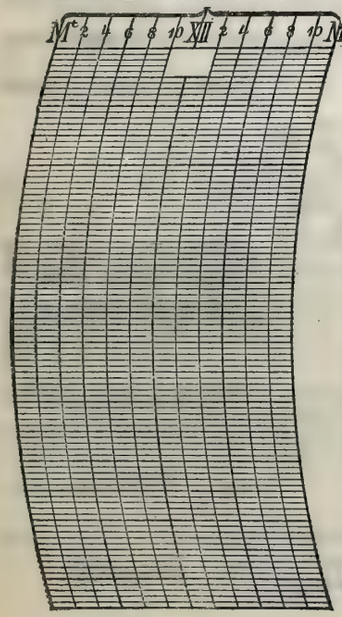
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	37	44	

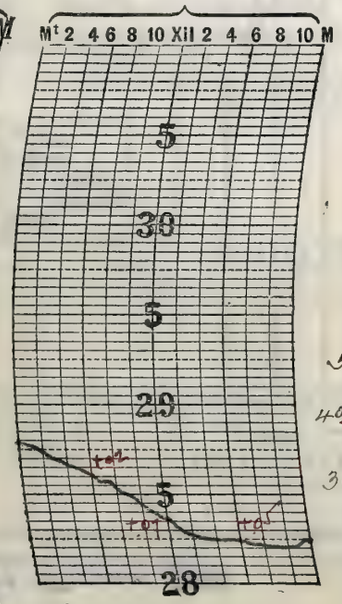
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .15 ins.; to 7 p. m., .34 ins.
Total precipitation, midnight to midnight, .49 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.8 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 8
Prevailing wind direction, E Total wind 232
Average hourly velocity, 9.7 Extreme velocity, 20
Maximum velocity, 18 Direction, E
Time began, 10:56 am.
Reduced barometer, 29.52 7 a. m. 29.20 7 p. m.
River gage, 2.7 ft
Relative humidity, 92 7 a. m. 92 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M
(Local Mean Time.)
Dry temperature, 43.6 Wet temperature, 43.0
Dew-point, 42 R. humidity, 95 V. pressure, .266
Clouds: Amount, 10; Kind, Nb; Direction, E
Velocity of clouds (miles per hour)

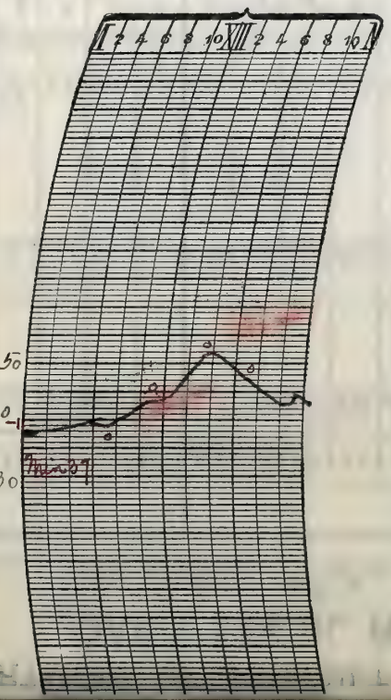
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



o Estimated

NOTES.

An observation was taken at 11 a.m. and transmitted by telegraph to the Central Office in accordance with telegraphic instructions.

Warm and Cloudy with rain from the early morning until 1.20 p.m. Rain again in the late night.

There was moonlight in the early hours of the night.

Prepared by N. S. Baker

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) FEB 14 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	42	41	41	40	39	38	36	37	38	39	39
State of weather: Nature of precipitation and time of beginning and ending	—	—	—	—	—	—	—	—	—	—	RE 10:40	R 11:30
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	6:37 Cloudy											
Moonrise:	5:18 a.m.											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	S	S	S	S	S	SW	S	S	S	S
Wind movement	10	5	5	5	6	12	10	14	9	11	10	10

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	37	37	36	37	36	36	34	34	34	34	34
State of weather: Nature of precipitation and time of beginning and ending	RE 12:15 RD 12:30	—	—	—	—	—	—	—	—	RE D.N		
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,										5:14 Cloudy		
Moonset:										6:04 a.m.		
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	S	SW	SW	SW	S	S	S	SW	S	S	S	S
Wind movement	12	13	13	12	10	11	10	8	6	9	6	4

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

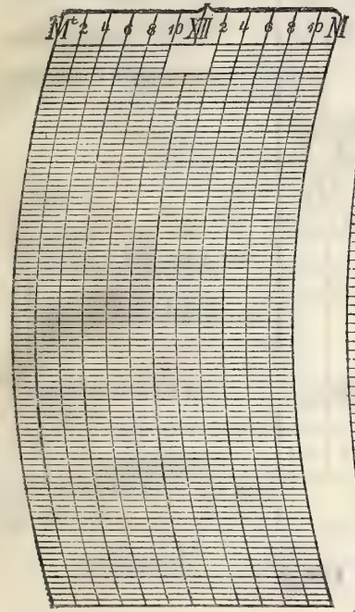
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
43	34	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Cloudy Moon phase, Full moon 5:38 pm
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind 221
Average hourly velocity, 9.2 Extreme velocity, 23
Maximum velocity, 21 Direction, S.W.
Time began, 7:35 am.
Reduced barometer, 21.19 7 a. m. 29.32 7 p. m.
River gage, 3.1 ft.
Relative humidity, 89 7 a. m. 91 7 p. m.

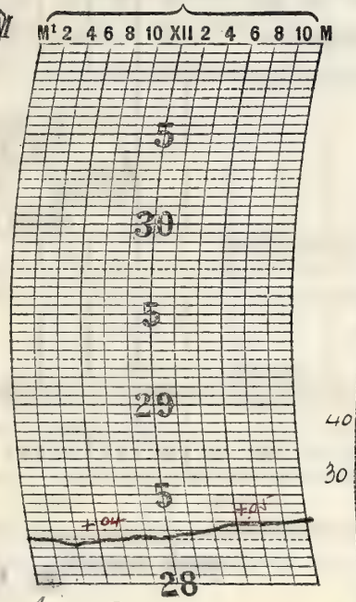
OBSERVATIONS AT ~~12 NOON~~ 12:38 PM
(Local Mean Time.)

Dry temperature, 37.5 Wet temperature, 36.9
Dew-point, 36 R. humidity, 95 V. pressure, .211
Clouds: Amount, 10; Kind, Sta Cu; Direction, S
Velocity of clouds (miles per hour)

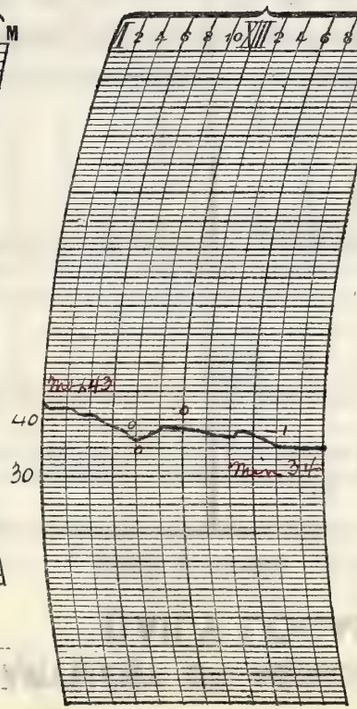
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Moderate and nearly stationary temperature. Cloudy, and unpleasant weather, with light rain.

Prepared by H. S. Baker

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 15 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	34	34	34	34	34	34	32	31	31	31
State of weather. Nature of precipitation and time of beginning and ending							S m B 6:30					
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)							0	0	0	0.2	0.3	0.3
Wind direction	S	S	SW	W	W	W	W	NW	NW	NW	NW	NW
Wind movement	4	3	3	3	3	4	5	9	14	12	14	14

Sunrise: Time, 6:35 Character, Cloudy. Moonrise: 6:21 P.m.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	30	30	30	30	30	30	30	30	30	30	30
State of weather. Nature of precipitation and time of beginning and ending	S m E 12:10 S m B 12:50			S m E 3:10								
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0	0.3	0	0	0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	13	12	14	13	12	12	13	11	10	11	9	15

Sunset: Time, 5:15 Character, Cloudy. Moonset: 6:33 A.m.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

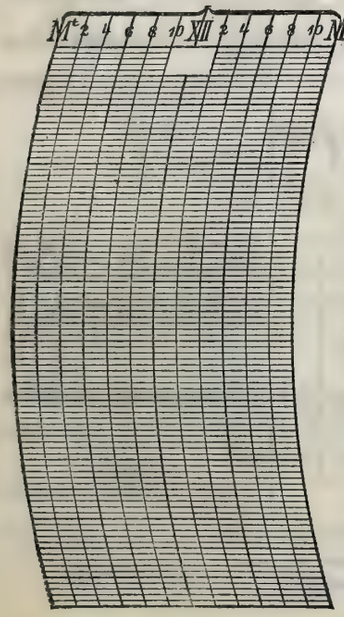
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	30	32	

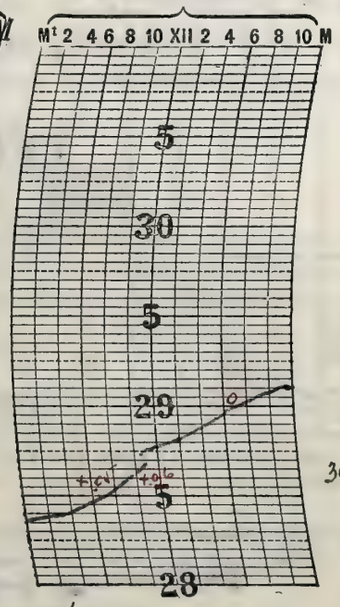
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.1 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 10
Prevailing wind direction, NW Total wind 233
Average hourly velocity, 9.7 Extreme velocity, 21
Maximum velocity, 19 Direction, NW
Time began, 11:08 am
Reduced barometer, 29.47 7 a. m. 29.91 7 p. m.
River gage, 3.5 ft.
Relative humidity, 94 7 a. m. 66 7 p. m.

OBSERVATIONS AT 12 ~~NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 31.5 Wet temperature, 30.0
Dew-point, 28 R. humidity, 81 V. pressure, .150
Clouds: Amount, 10; Kind, Stratus; Direction, NW
Velocity of clouds (miles per hour)

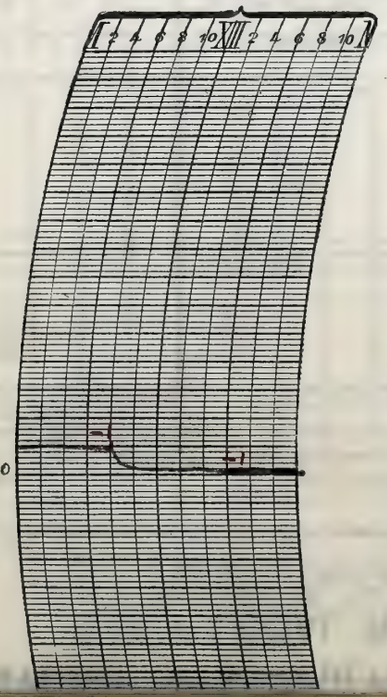
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



x Snow melted as it fell.

NOTES.

Cloudy with light snow during a considerably part of the day the snow melting as it fell. Moderate temperature

Prepared by W. S. Baker

Verified by F. McGuinness

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 16 1919, 191

Time (local standard) 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	30	30	30	30	30	29	29	29	29	30	30	30	30	31	30	30	29	29	29	26	27	27	27
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Cloudy →																							
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	10	10	11	12	11	11	9	10	10	9	9	12	13	11	11	10	11	14	13	12	12	14	12	13

Sunrise: Time, 6:34 Character, Cloudy
Moonrise: 7:22 P.M.
Sunset: Time, 5:16 Character, Cloudy
Moonset: 7:00 A.M.

Maximum velocities (exceeding 29 miles) direction and time:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

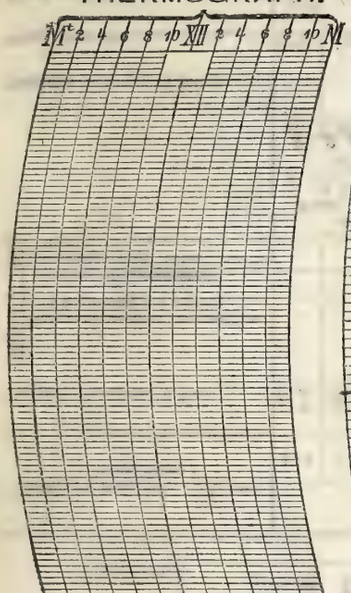
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
31	27	29	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind 270
Average hourly velocity, 11.2 Extreme velocity, 20
Maximum velocity, 19 Direction, SW
Time began, 11:52 p.m.
Reduced barometer, 30.12, 7 a. m. 30.15, 7 p. m.
River gage, 3.8 ft
Relative humidity, 80, 7 a. m. 83, 7 p. m.

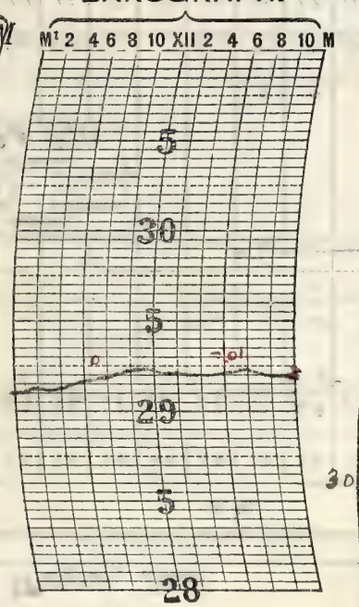
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 31.0 Wet temperature, 28.0
Dew-point, 23 R. humidity, 69 V. pressure, .115
Clouds: Amount, 10; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

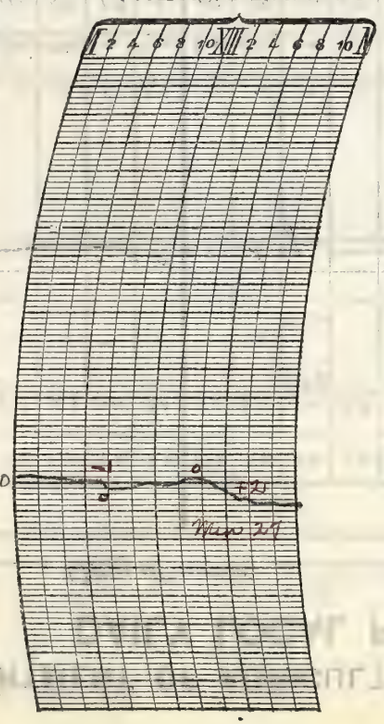
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cloudy weather; somewhat lower temperature, but not unpleasant.

Prepared by A. S. Baker

Verified by C. M. Banyan

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB 17 1913, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	27	26	25	25	26	27	28	29	29	30	30	32	33	34	33	32	32	32	32	32	32	32	31
State of weather: Nature of precipitation and time of beginning and ending								Sm Rg 7:45	-	-	-	-	-	-	Sm E 2:50				Sm Rg 6:30	Sm E 7:10				
Amounts of precipitation																								
Cloudiness and other conditions																								
Sunrise: Time, Character,	6:33 Cloudy																				Sunset: Time, Character,	5:18 Cloudy		
Moonrise:	8:22 P.M.																				Moonset:	7:26 A.M.		
Sunshine (in tenths of hours)							0	0	0	0	0	0.5	0	0	0	0	0	0						
Wind direction	SW	SW	SW	SW	S	S	S	S	SW	SW	SW	SW	SW	SW	W	W	NW	NW	W	NW	W	W	W	NW
Wind movement	13	15	11	9	9	10	11	12	14	13	13	11	10	16	14	12	16	15	13	11	11	10	11	11
Maximum velocities (exceeding 29 miles) direction and time																								

Cloudy

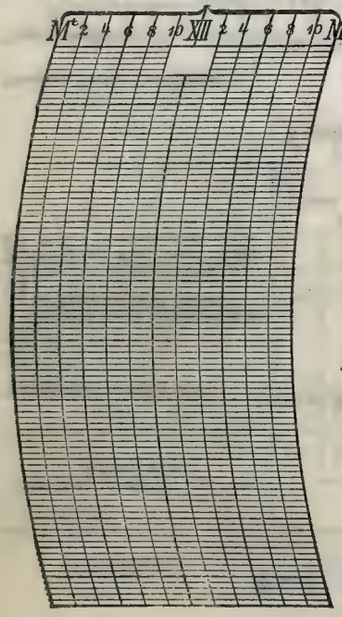
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	25	30	

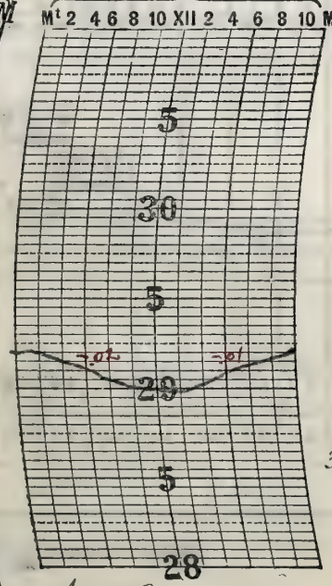
Total depth of snow for 24 hours ending 7 p. m., 1.7 inches.
Snow, sleet, and hail on ground 7 p. m., 1.0 inches.
Total snowfall, midnight to midnight, 1.7 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .14 ins.
Total precipitation, midnight to midnight, .14 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.5 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 5
Prevailing wind direction, SW Total wind 291
Average hourly velocity, 12.1 Extreme velocity, *21
Maximum velocity, *20 Direction, NW
Time began, 4:49 p.m.
Reduced barometer, 30.00, 7 a. m. 30.04 7, p. m.
River gage, 3.6 ft.
Relative humidity, 82 7 a. m. 84 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 30.8 Wet temperature, 30.8
Dew-point, 31 R. humidity, 100 V. pressure, .172
Clouds: Amount, 10; Kind, No; Direction, SW
Velocity of clouds (miles per hour)

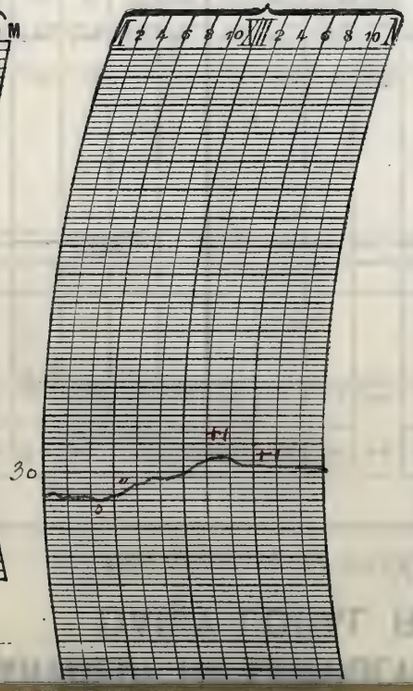
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by N. J. Baker.
Verified by P. McDonough

NOTES.

*For 22 hrs. 25 minutes

Cloudy, with light snow from 7.45 am to 2.50 pm, and again from 6.20 pm to 7.10 pm, much of the snow melting as it fell - streets and sidewalks slushy - Moderate temperature prevailed.

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 18 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	29	28	28	28	28	28	27	28	30	30	32	33	34	34	34	33	32	32	31	30	29	28	27
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Pt. Cloudy												→ Clear					
Sunshine (in tenths of hours)							0	0.4	0.8	1.0	1.0	1.0	1.0	1.0	0.8	0.4	0.6	0						
Wind direction	W	W	W	W	NW	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	NE	E
Wind movement	11	10	10	8	9	11	9	8	10	10	9	8	10	9	9	7	7	5	4	5	4	4	4	4
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:31; Character, Cloudy. Moonrise: 9:21 P.M.

Sunset: Time, 5:19; Character, Cloudy. Moonset: 7:52 A.M.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

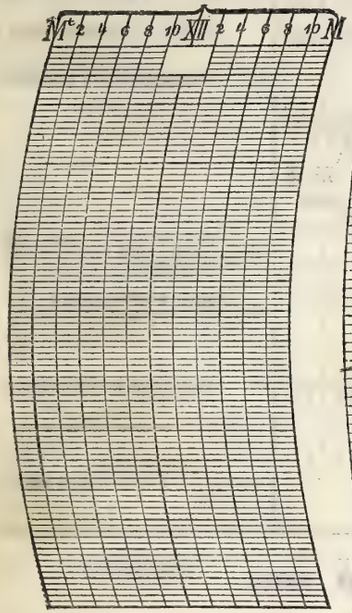
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	26	30	

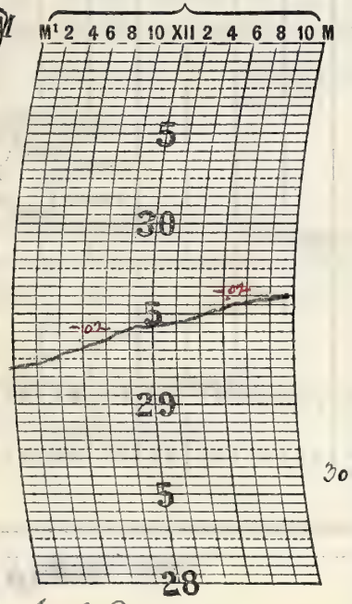
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0.2 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.0 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 74
Prevailing wind direction, NW Total wind 185
Average hourly velocity, 7.7 Extreme velocity, 12
Maximum velocity, 12 Direction, NW
Time began, 9:46 a.m.
Reduced barometer, 30.25 7 a. m. 30.47 7 p. m.
River gage, 3.5 ft.
Relative humidity, 79 7 a. m. 65 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M. (Local Mean Time.)
Dry temperature, 33.7 Wet temperature, 30.0
Dew-point, 24 R. humidity, 65 V. pressure, .124
Clouds: Amount, 6; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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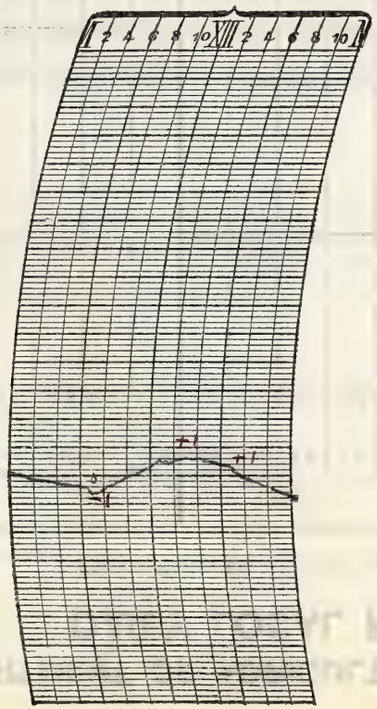


NOTES.

Moderate temperature, but considerable thawing during the day. Mostly partly cloudy, but night clear with moonlight in the late p.m.

Prepared by A. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 19 1919, 191

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	26	26	25	24	22	22	23	26	29	30	31	33	35	34	34	34	33	31	30	29	29	27	26
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								← clear →																
Sunshine (in tenths of hours)							0.50 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2 0.8	0.33 0						
Wind direction	E	E	E	0	E	NE	NE	E	E	E	E	NE	NE	E	E	E	E	E	E	E	E	E	E	E
Wind movement	3	3	1	0	2	5	5	5	4	4	6	4	6	5	7	8	7	6	7	7	8	9	10	10
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:30; Character, Clear. Moonrise: 10:20 P.M.

Sunset: Time, 5:20; Character, Clear. Moonset: 8:20 A.M.

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

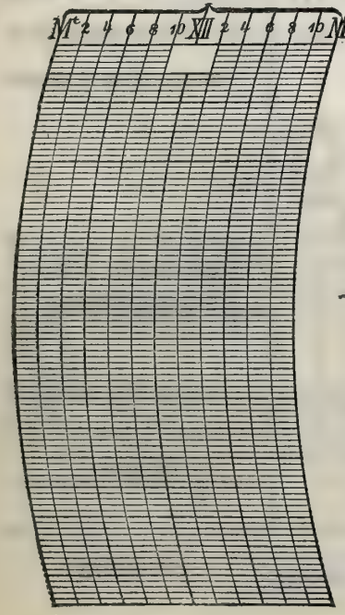
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	22	28	

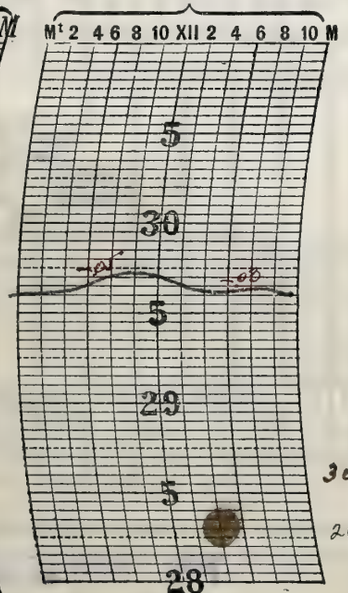
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 10.8 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind 132
Average hourly velocity, 5.5 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 10:34 p.m.
Reduced barometer, 30.60 7 a. m. 30.56 7 p. m.
River gage, 3.2 ft
Relative humidity, 66 7 a. m. 69 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 33.5 Wet temperature, 28.0
Dew-point, 18 R. humidity, 48 V. pressure, .093
Clouds: Amount, 3; Kind, a St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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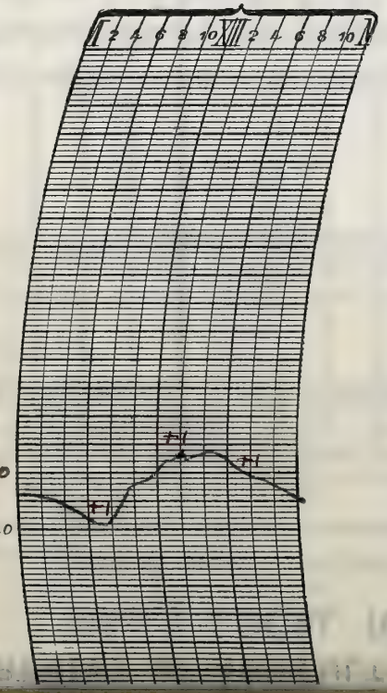


NOTES.

Moderate temperature and mostly clear skies. Snow disappeared. Very pleasant weather.

Prepared by H. S. Baker

Verified by F. W. McDonough

U. S. DEPARTMENT OF AGRICULTURE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 20 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	25	24	24	24	24	23	24	24	26	29	30	32	33	35	35	35	33	31	31	30	31	32	32	33
State of weather: Nature of precipitation and time of beginning and ending																RB 3:10 RE 3:55 Snow RB 3:55	—	—	—	—	Snow E 8:45 RB 8:45	—	RE 10:15	
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy →																	
Sunrise: Time, Character,	6:29 Cloudy																							
Moonrise:	11:19 P.M.																							
Sunset: Time, Character,																					5:21 Cloudy			
Moonset:																					8:51 A.M.			
Sunshine (in tenths of hours)							0	0	0.4	1.0	0.2	0	0	0.2	0	0	0	0						
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	9	9	10	11	11	11	9	11	12	12	14	14	17	17	17	14	12	10	10	10	8	9	7	4
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

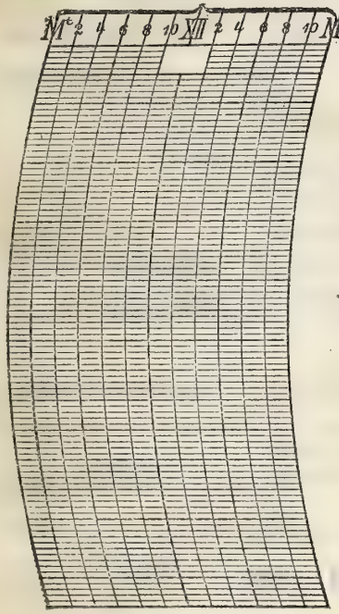
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	23	29	

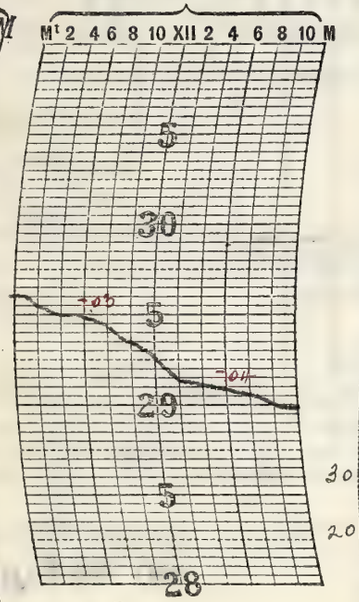
Total depth of snow for 24 hours ending 7 p. m., 0.6 inches.
Snow, sleet, and hail on ground 7 p. m., 0.5 inches.
Total snowfall, midnight to midnight, 1.0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .06 ins.
Total precipitation, midnight to midnight, 0.15 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 1.8 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 17
Prevailing wind direction, E Total wind 268
Average hourly velocity, 11.2 Extreme velocity, 26
Maximum velocity, 23 Direction, E
Time began, 3:03 p. m.
Reduced barometer, 30.38, 7 a. m. 29.97, 7 p. m.
River gage, 3.1 ft.
Relative humidity, 83 7 a. m. 100 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 33.2 Wet temperature, 30.2
Dew-point, 25 R. humidity, 71 V. pressure, .130
Clouds: Amount, 10; Kind, Stratus; Direction, E
Velocity of clouds (miles per hour)

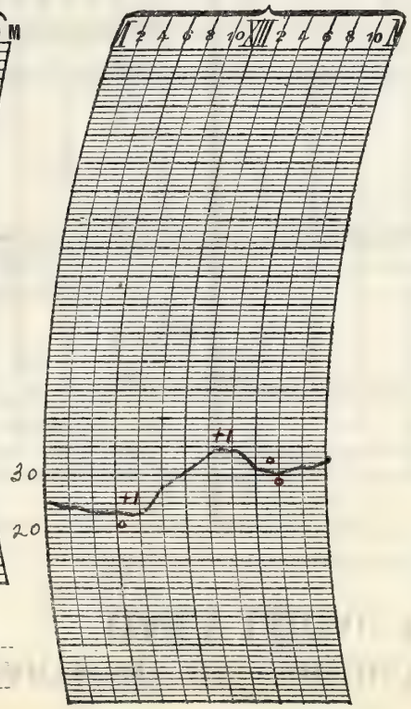
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by N. S. Baker

Verified by P. McDonough

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NOTES.

Estimated

Cloudy, with drizzling rain from 3:10 p.m. to 3:55 p.m.; moist snow from 3:55 p.m. to 8:45 p.m.; and rain again from 8:45 p.m. to 10:15 p.m. Moderate temperature obtained. The weather during the afternoon and night was rather disagreeable.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) FEB 21 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	35	35	36	37	37	37	37	39	39	40
State of weather: Nature of precipitation and time of beginning and ending		RB	—	RE							RB	—
		T.N		T.N							10:05	
Amounts of precipitation												
Cloudiness and other conditions					Dense Fog						Cloudy	Fog
Sunrise: Time, Character,	6:27 Foggy											
Moonrise:	—											
Sunshine (in tenths of hours)							0	0	0	0.1	0	0
Wind direction	E	E	E	E	S	S	SW	SW	SW	SW	W	W
Wind movement	4	2	2	3	4	7	8	8	8	5	4	2
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	41	42	40	39	37	36	35	35	35	34	34
State of weather: Nature of precipitation and time of beginning and ending	RE											
	12:15											
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, Character,									5:22 Cloudy			
Moonset:									9:24 A.M.			
Sunshine (in tenths of hours)	0	0.8	0.7	0	0	0						
Wind direction	NW	W	W	W	W	W	W	SW	W	W	W	SW
Wind movement	3	4	7	8	5	6	6	8	5	6	3	4
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	33	38	

Total depth of snow for 24 hours ending 7 p. m., .04 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .14 ins.; to 7 p. m., .03 ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.6 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 15
Prevailing wind direction, W Total wind 122
Average hourly velocity, 5.1 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 7:24 am.
Reduced barometer, 29.86, 7 a. m. 30.01 7, p. m.
River gage, 3.0 ft.
Relative humidity, 100, 7 a. m. 89, 7 p. m.

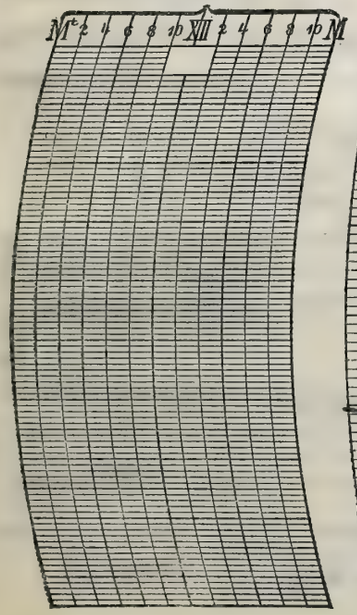
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

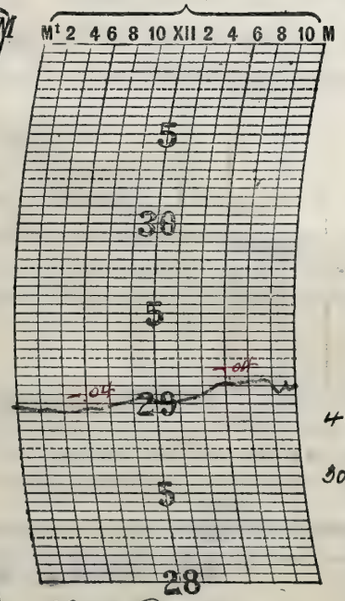
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 38.6 Wet temperature, 36.9
Dew-point, 35 R. humidity, 86 V. pressure, .203
Clouds: Amount, 4 ; Kind, Sc ; Direction, W
Velocity of clouds (miles per hour)

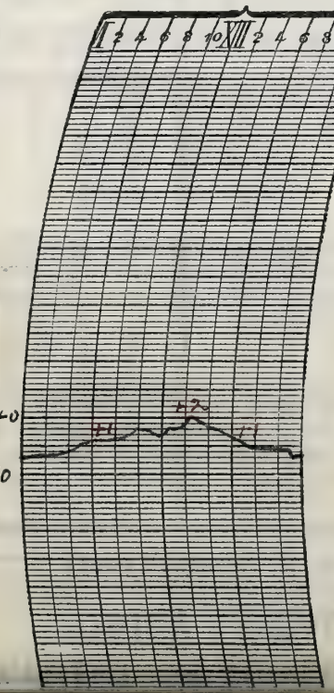
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by N. S. Baker.

Verified by D. W. Donough

o Estimated

NOTES.

Cloudy; some rain and fog first half of day; moderate temperature.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 22 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	33	32	32	33	34	34	37	39	40	41	41	42	45	44	40	35	34	34	34	34	34	34
State of weather: Nature of precipitation and time of beginning and ending											RB 10:05	—	—	—	—	—	—	—	RE 6:20 SmB 6:20	SmE 7:45				
Amounts of precipitation																								
Cloudiness and other conditions							DENSE FOG						Fog											
							Cloudy																	
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	SW	SW	E	E	NE	E	E	E	E	E	E	NE	E	E	SE	SW	SW	SW	SW	SW	SW	SW	W	SW
Wind movement	4	3	4	4	4	4	7	8	11	12	12	11	12	10	10	23	27	32	30	28	27	27	24	25
Maximum velocities (exceeding 24 miles) direction and time																30 SW 5:02	37 SW 4:21	40 SW 5:33	37 SW 6:06	32 SW 7:36	31 SW 8:02	31 SW 9:18		31 SW 11:41

Sunrise: Time, 6:26 Character, Foggy
Moonrise: 12:15 A.M.

Sunset: Time, 5:24 Character, Cloudy
Moonset: 10:03 A.M.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

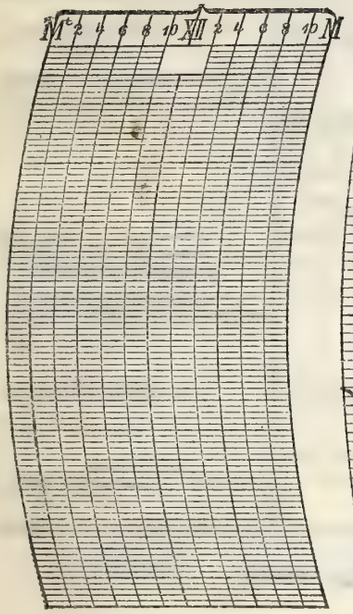
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
45	32	38	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .28 ins.
Total precipitation, midnight to midnight, .28 inches.
Character of day, Cloudy Moon phase, Last Quarter 7:48 pm.
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 0
Prevailing wind direction, E-SW Total wind 359
Average hourly velocity, 15 Extreme velocity, 50
Maximum velocity, 40 Direction, SW
Time began, 5:33 pm.
Reduced barometer, 29.82, 7 a. m. 29.46, 7 p. m.
River gage, 3.2 ft.
Relative humidity, 95 7 a. m. 95 7 p. m.

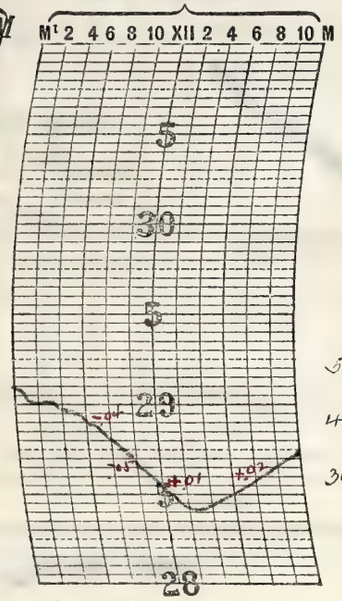
OBSERVATIONS AT ~~12 NOON.~~ 12:30 P.M.
(Local Mean Time.)

Dry temperature, 41.2 Wet temperature, 41.2
Dew-point, 41 R. humidity, 100 V. pressure, .256
Clouds: Amount, 10 ; Kind, St ; Direction, E
Velocity of clouds (miles per hour)

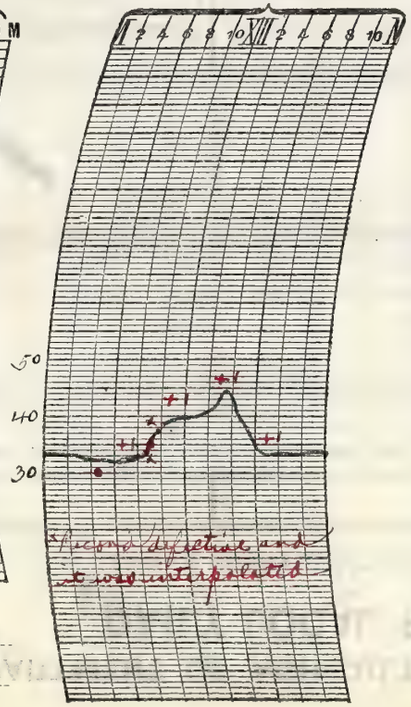
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather was somewhat disagreeable with fog, rain and snow. Light easterly changing to fresh southwesterly winds, with strong southwesterly gusts in the late afternoon and night.

A snow special was taken and telegraphed the Central Office in accordance with telegraphic instructions.

Prepared by A. S. Baker

Verified by C. M. Donnyth

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Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 23 1913, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	33	32	32	32	33	33	33	35	36	35	36	37	38	37	37	36	35	34	33	32	31	31
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy			Pt Cldy			Cldy			Pt. Cloudy								
Sunshine (in tenths of hours)							0	0	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1						
Wind direction	W	W	W	W	W	W	W	W	SW	SW	SW	SW	W	W	SW	SW	SW	W	W	SW	SW	SW	SW	SW
Wind movement	23	23	23	24	20	16	17	19	16	18	18	18	17	17	18	15	14	11	10	6	8	7	7	5

Sunrise: Time, 6:24 Character, Cloudy
Moonrise: 11:41 Ass
Sunset: Time, 5:25 Character, Cloudy
Moonset: 12:46 Ass

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

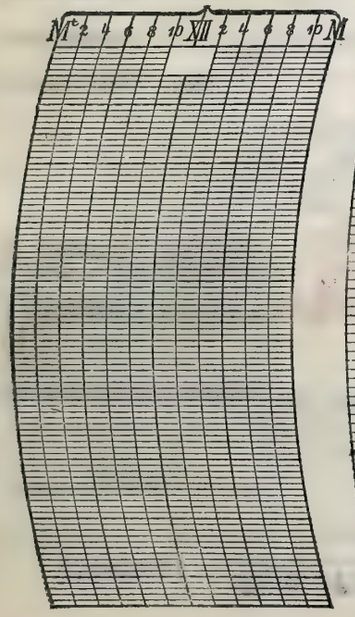
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	31	34	

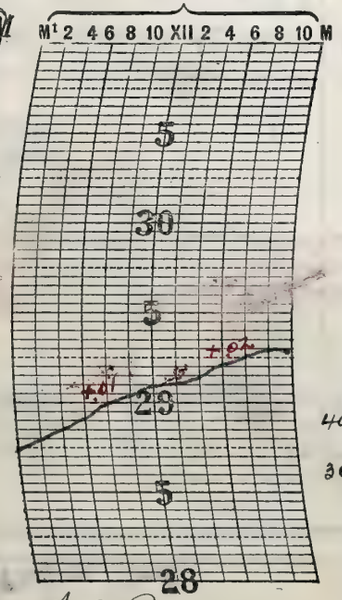
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 8.7 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 79
Prevailing wind direction, SW-W Total wind 370
Average hourly velocity, 15.4 Extreme velocity, 33
Maximum velocity, 27 Direction, W.
Time began, 12:51 a.m.
Reduced barometer, 29.91 7 a. m. 30.17 7, p. m.
River gage, 5.5 ft.
Relative humidity, 85 7 a. m. 76 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 37.2 Wet temperature, 34.0
Dew-point, 29 R. humidity, 73 V. pressure, .157
Clouds: Amount, 8; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

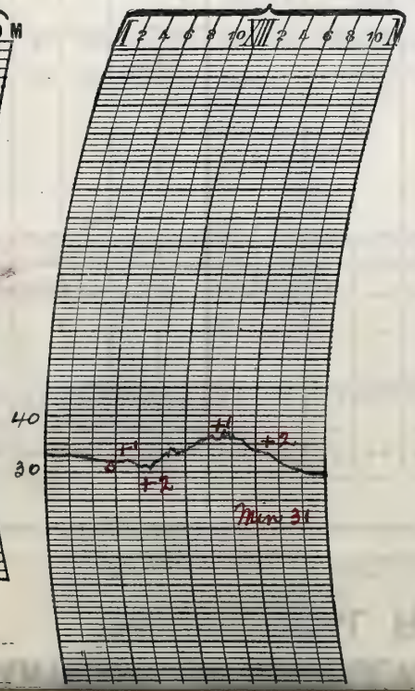
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather was mostly partly cloudy and generally pleasant

Prepared by A. S. Baker.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB 24 1913, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	30	29	29	28	27	28	30	33	36	39	39	42	44	45	45	44	42	41	40	40	40	40	38
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions		L	L	L	Fog																			
						Clear		Pt. Cloudy					Cloudy						Pt Cldy					
Sunshine (in tenths of hours)							0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0	0						
Wind direction	SW	SW	SW	SW	S	SE	S	S	S	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	S
Wind movement	4	4	4	4	2	3	2	3	6	9	10	9	10	11	9	11	10	7	5	5	5	5	5	3

Sunrise: Time, 6:23 Character, Cloudy
Moonrise: 2:03 am

Sunset: Time, 5:26 Character, Cloudy
Moonset:

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

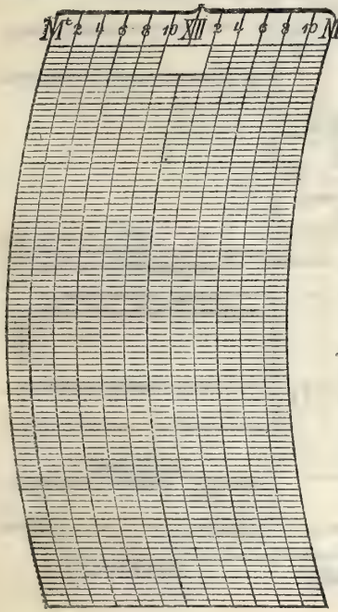
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
45	27	36	

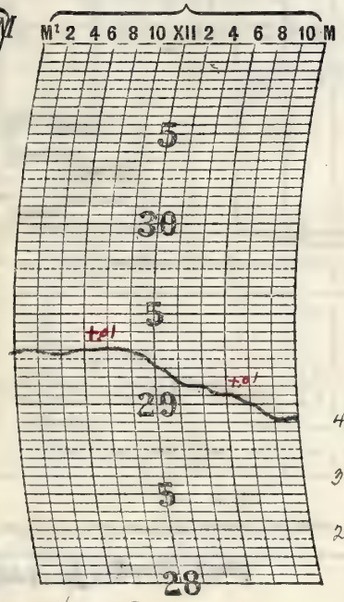
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 8.3 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 75
Prevailing wind direction, SE Total wind 146
Average hourly velocity, 6.1 Extreme velocity, 17
Maximum velocity, 16 Direction, SE
Time began, 1:41 pm.
Reduced barometer, 30.27 7 a. m. 29.98 7 p. m.
River gage, 6.3 ft.
Relative humidity, 90 7 a. m. 63 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 PM.
(Local Mean Time.)
Dry temperature, 41.0 Wet temperature, 35.2
Dew-point, 27 R. humidity, 56 V. pressure, .143
Clouds: Amount, 8; Kind, a St; Direction, W
Velocity of clouds (miles per hour)

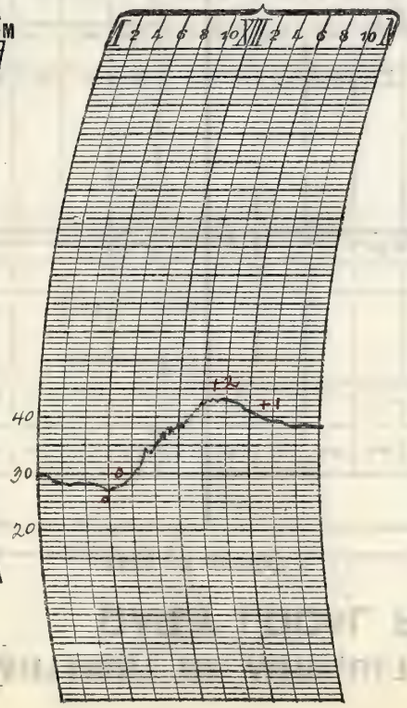
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Mostly partly cloudy weather, but threatening at intervals in the afternoon; moist temperatures obtained. Light fog in the early part of the day.

Prepared by H. S. Baker.
Verified by C. M. Kenoyer

8—166

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 25 1913, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	39	37	39	39	39	40	39	39	36	33	31
Nature of precipitation and time of beginning and ending								R B T 5:0	—	R E 9:45 S M B 9:45	—	S M W E 11:45
Amounts of precipitation												
Cloudiness and other conditions								← Cloudy				
Sunrise: Time, Character	6:21 Cloudy											
Moonrise	2:52 am											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	S	S	S	S	S	SW	W	SW	W	NW	NW	NW
Wind movement	5	4	3	3	6	6	5	7	10	15	19	18

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	26	25	25	23	22	21	20	20	20	19	18
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				→ Partly Clear								
Sunset: Time, Character									5:27 Clear			
Moonset									12:32 pm.			
Sunshine (in tenths of hours)	0.1	0	0.6	0.7	1.0	0.45 0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W
Wind movement	20	19	20	22	22	21	18	19	17	15	15	15

State of weather.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	18	29	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10), 7

Actual sunshine, hours, 2.8 Possible sunshine, hours, 11.1

Per cent of possible sunshine, 25

Prevailing wind direction, NW. Total wind 324

Average hourly velocity, 13.5 Extreme velocity, 30

Maximum velocity, 26 Direction, NW

Time began, 2:59 pm.

Reduced barometer, 29.71 7 a. m. 30.02 7 p. m.

River gage, 6.1 ft.

Relative humidity, 80 7 a. m. 68 7 p. m.

OBSERVATIONS AT 12 NOON. 12:38 PM.
(Local Mean Time.)

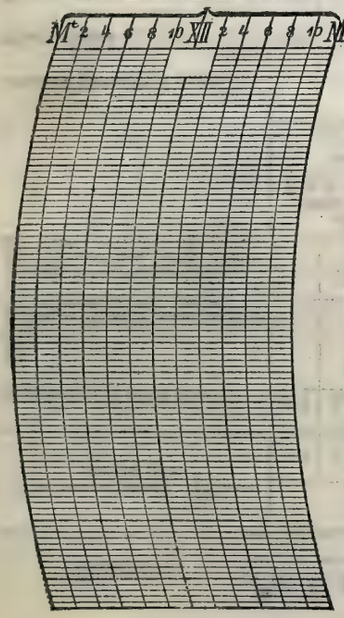
Dry temperature, 28.4 Wet temperature, 27.4

Dew-point, 25 R. humidity, 88 V. pressure, .130

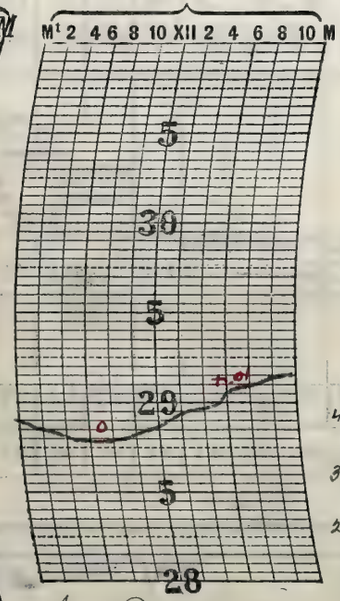
Clouds: Amount, 10; Kind, Stcu; Direction, NW

Velocity of clouds (miles per hour)

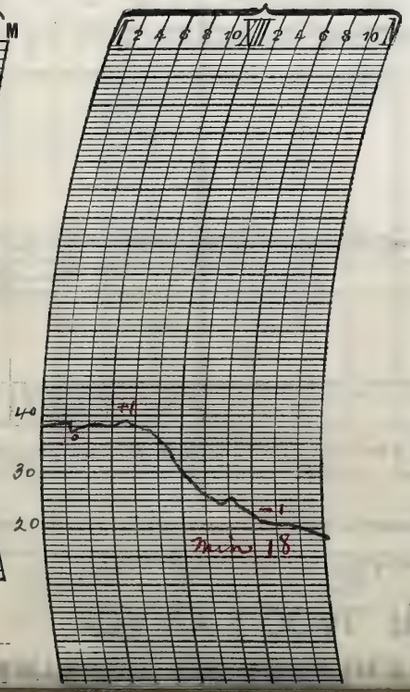
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cold wave warning received at 9:30 A. m., and signal hoisted at 10 a. m.

Cloudy until about 2 p. m. When clouds began to break up, with some rain and snow in the forenoon. Late afternoon and night clear. Falling temperature after the A. m. observation, the night being exceptionally cold.

Prepared by A. S. Baker

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 26 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	16	15	14	13	12	12	12	11	13	15	18	19	22	24	26	25	25	25	25	24	23	22	22	22
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear				Pt.		Cloudy		Clear		Clear		Clear		Clear			
Sunrise: Time, 6:20; Character, Clear																					Sunset: Time, 5:28; Character, Cloudy			
Moonrise: 3:36 AM																					Moonset: 1:34 PM			
Sunshine (in tenths of hours)							0.67 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0	0						
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	NW	NW	N	NE	E	E
Wind movement	17	17	17	15	15	12	10	13	13	13	13	13	12	13	11	10	8	6	4	5	3	4	3	4
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
26	9	18	

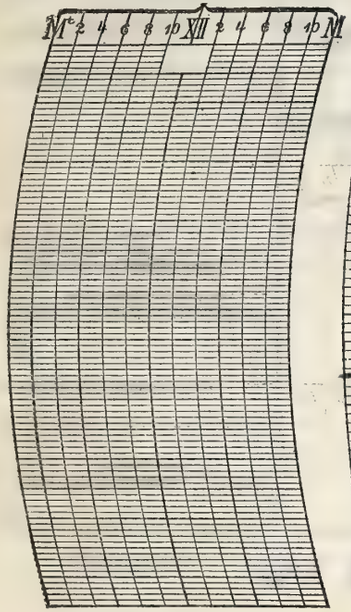
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 9.5 Possible sunshine, hours, 11.1
Per cent of possible sunshine, 86
Prevailing wind direction, W Total wind 251
Average hourly velocity, 10.5 Extreme velocity, 23
Maximum velocity, 22 Direction, W
Time began, 12:46 am.
Reduced barometer, 30.21, 7 a. m. 30.23, 7 p. m.
River gage, 5.5 ft.
Relative humidity, 76, 7 a. m. 50, 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

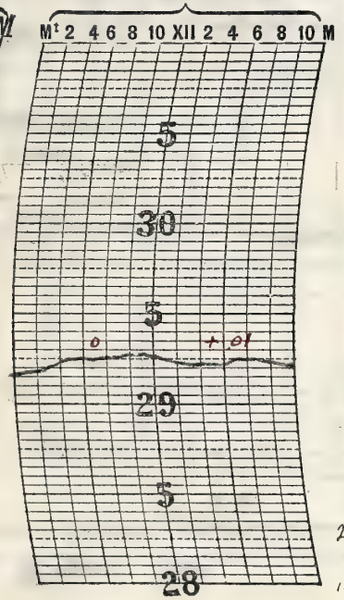
OBSERVATIONS AT ~~12 NOON~~. 12:38 PM
(Local Mean Time.)

Dry temperature, 23.2 Wet temperature, 17.0
Dew-point, -9 R. humidity, 20 V. pressure, .023
Clouds: Amount, 7; Kind, a St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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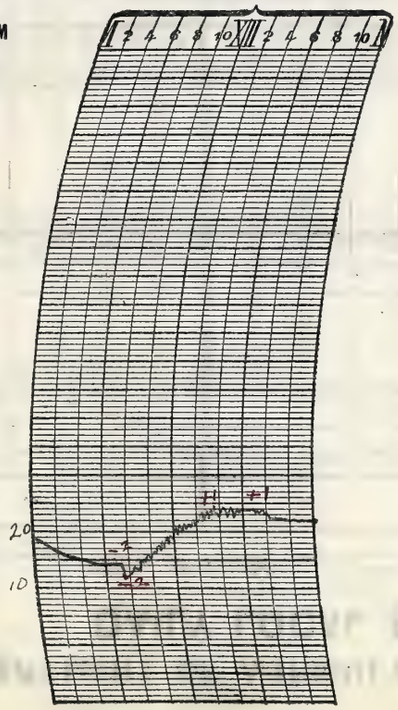


NOTES.

A moderate cold wave occurred between the a. m. observation of the 25th and the am observation of the 26, from 40° to 12°, with a minimum of 11°.

Cold in the early morning with slowly rising temperature during the day. Clear in the morning and at night but some cloudiness during the midday hours.

Prepared by A. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 27 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	22	22	23	23	24	24	24	26	31	34	37	40	43	45	47	48	47	44	42	40	41	35	34	37
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear						Pt. cloudy							Clear				
Sunrise: Time, 6:19 Character, Cloudy																					Sunset: Time, 5:29 Character, Cloudy			
Moonrise: 4:16 am																					Moonset: 2:39 P.M.			
Sunshine (in tenths of hours)							0	0	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0						
Wind direction	SE	SE	E	E	E	E	E	E	S	S	S	S	S	S	S	S	S	SE	SE	SE	E	E	SE	SE
Wind movement	3	3	3	4	3	3	3	2	6	9	10	10	10	12	13	13	9	7	8	5	6	6	6	5
Maximum velocities (exceeding 29 miles) direction and time																								

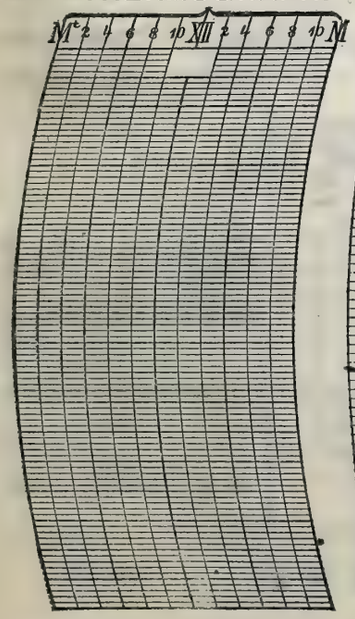
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
48	22	35	

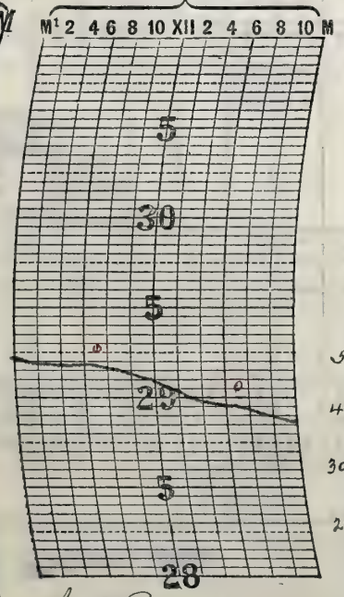
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0–10), 5
Actual sunshine, hours, 8.5 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 76
Prevailing wind direction, S Total wind 159
Average hourly velocity, 6.6 Extreme velocity, 19
Maximum velocity, 16 Direction, S
Time began, 2:39 pm.
Reduced barometer, 30.12, 7 a. m. 29.91 7 p. m.
River gage, 4.6 ft.
Relative humidity, 77, 7 a. m. 46, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 44.5 Wet temperature, 35.0
Dew-point, 20 R. humidity, 35 V. pressure, 103
Clouds: Amount, 6; Kind, a St.; Direction, W
Velocity of clouds (miles per hour)

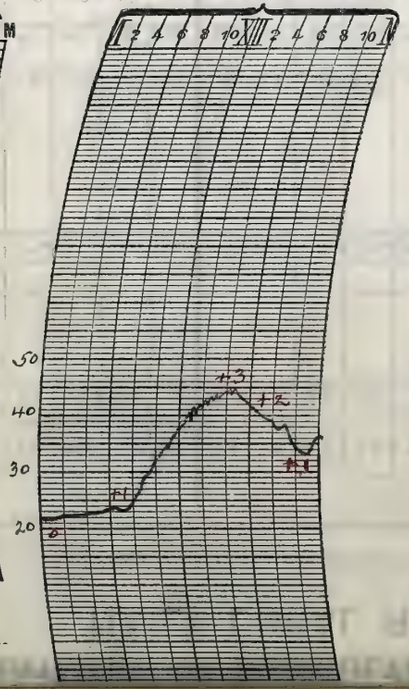
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear in morning and night but midday hours generally partly cloudy; pleasant temperature. The day was exceptionally fine.

Prepared by A. S. Baker

Verified by P. M. Dunnavan

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) FEB 28 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	38	42	42	41	40	43	43	45	46	47	49	51	54	40	38	28	23	20	17	14	15	14	14
State of weather: Nature of precipitation and time of beginning and ending														RB 1:15	RE 2:10 R+HB 2:30 R+HB 2:40 RB 2:40	RE 3:25		SL RB 5:20	—	—	—	—	—	—
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy →																	
Sunrise: Time, Character	6:17 Cloudy																				Sunset: Time, Character	5:31 Cloudy		
Moonrise	4:52 am																				Moonset	3:49 PM		
Sunshine (in tenths of hours)							0	0	0.1	0	0	0	0	0	0	0	0	0						
Wind direction	SE	S	S	S	S	S	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	5	9	14	15	14	16	18	19	21	20	21	22	21	29	32	32	36	36	37	38	39	33	35	32
Maximum velocities (exceeding 29 miles) direction and time														35 S 1:16	46 SW 2:29	45 SW 3:43	44 SW 4:34	40 SW 5:54	47 SW 6:34	44 SW 7:44	46 SW 8:38	40 SW 9:02	40 W 10:27	36 W 11:10

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	14	34	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0.1 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .18 ins.

Total precipitation, midnight to midnight, .19 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.1 Possible sunshine, hours, 11.2

Per cent of possible sunshine, 1

Prevailing wind direction, S Total wind 594

Average hourly velocity, 24.8 Extreme velocity, 62

Maximum velocity, 47 Direction, SW

Time began, 6:32 pm.

Reduced barometer, 29.68 7 a. m. 29.61 7 p. m.

River gage, 4.4 ft.

Relative humidity, 79 7 a. m. 56 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT ~~12 NOON~~ 2:38 PM
(Local Mean Time.)

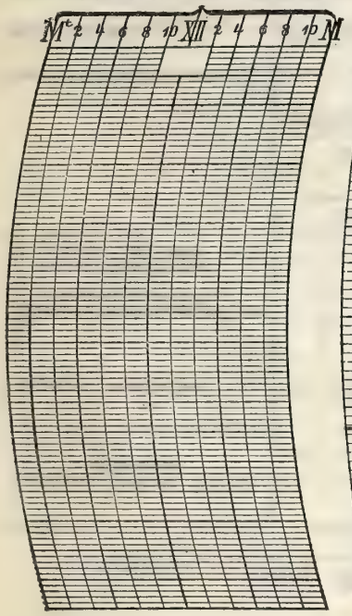
Dry temperature, 52.2 Wet temperature, 47.2

Dew-point, 42 R. humidity, 69 V. pressure, .266

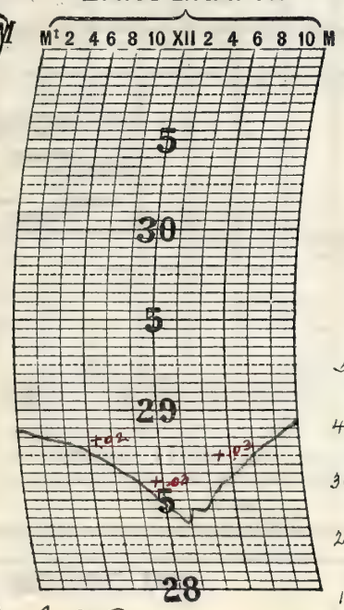
Clouds: Amount, 10; Kind St. Cu.; Direction, SW

Velocity of clouds (miles per hour)

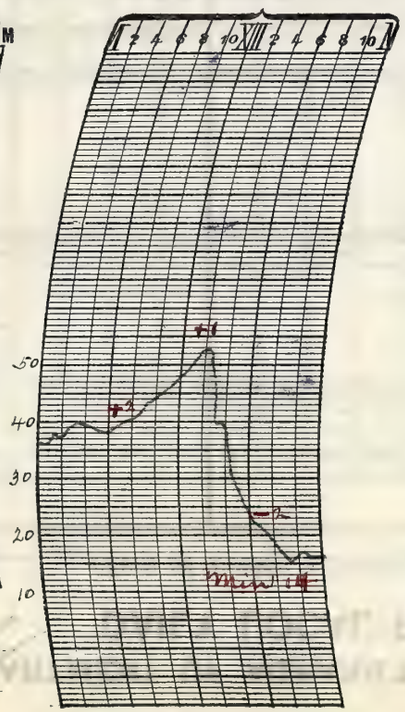
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by N. H. Baker.

Verified by C. McDonnell

8—486

NOTES.

A cold wave warning was received at 9:15 a.m.; the signal was hoisted at once.

A noon special observation was taken and telegraphed to the Central Office in accordance with instructions.

The forepart of the day was generally cloudy, unsettled, and threatening with high temperature and prevailing southerly winds, but after 2:30 p.m. the wind shifted to southwest and blew with increased force, attaining a velocity of 47 miles per hour at 6:32 p.m., high to strong winds prevailing until after midnight. Rain, with hail, size of peas, occurred in the afternoon, and there was snow at night. One peal of thunder was heard at 2:30 p.m. Between 2:30 p.m. and 3 p.m. the temperature fell from 54° to 40°, and by midnight it had fallen to 14°

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 1 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	14	14	13	13	13	13	12	16	17	18	20	23	25	27	30	30	29	29	28	28	28	28	26	27
State of weather. Nature of precipitation and time of beginning and ending			SLE; L N					SLB 7:03; SLE 7:12; SLB 7:30; SLE 7:45																
Amounts of precipitation																								
Cloudiness and other conditions								Clear					Pt. Cloudy							Clear				
Sunshine (in tenths of hours)							0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0						
Wind direction	SW	SW	SW	W	W	W	W	W	SW	SW	SW	SW	W	W	SW	SW	SW	SW	S	S	S	S	S	S
Wind movement	29	24	23	19	19	17	13	11	12	11	10	7	10	9	9	9	8	6	7	5	5	4	5	6
Maximum velocities (exceeding 29 miles) direction and time	37 SW 1:33																							

Sunrise: Time, 6:15; Character, Cloudy. Moonrise: 5:26 am

Sunset: Time, 5:32; Character, Cloudy. Moonset: 5:00 pm

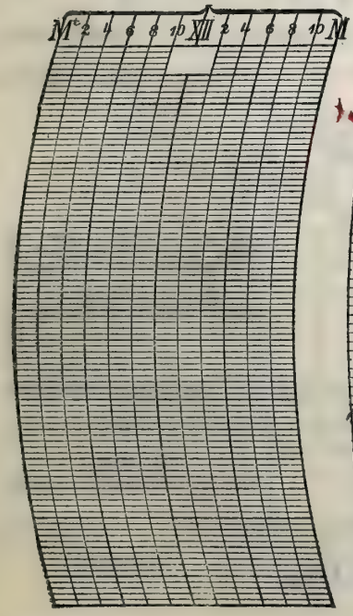
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
30	12	21	

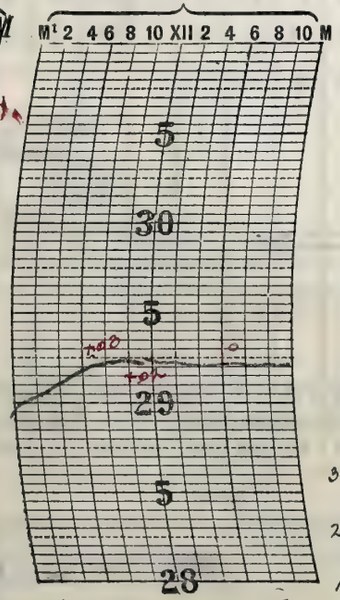
Total depth of snow for 24 hours ending 7 p. m., 02 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0.1 inches.
Precipitation to 7 a. m., 02 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 01 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 8.9 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 79
Prevailing wind direction, SW Total wind 278
Average hourly velocity, 11.6 Extreme velocity, 40
Maximum velocity, 37 Direction, SW
Time began, 1:33 am
Reduced barometer, 30.18 7 a. m. 30.16 7 p. m.
River gage, 4.2 ft.
Relative humidity, 76 7 a. m. 70 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 25.5 Wet temperature, 21.0
Dew-point, 9 R. humidity, 41 V. pressure, .060
Clouds: Amount, 5; Kind, cu; Direction, SW
Velocity of clouds (miles per hour)

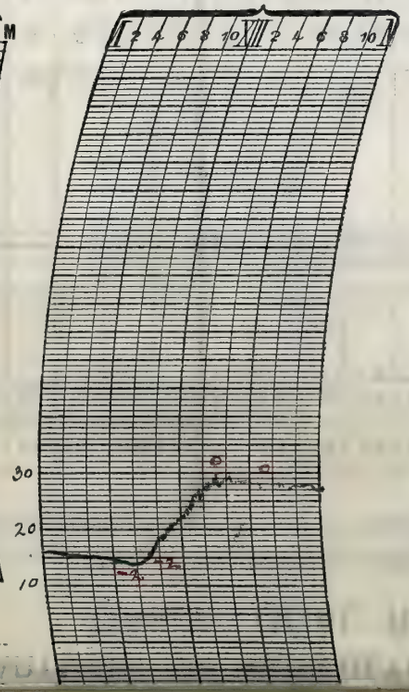
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The cold wave predicted on February 28th was practically verified at the Univ. Observatory, with a minimum of 12°.
Partly cloudy, pleasant day.
Light snow fell from an almost clear sky from 7:03 am to 7:12 am, and again from 7:30 am to 7:45 am

Prepared by N. S. Baker

Verified by F. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 2 1913, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	27	26	25	25	24	26	28	31	34	37	39	41	44	46	44	43	42	42	41	40	40	39	36
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Clear								→ Pt Cldy			← Cloudy						
Sunrise: Time, Character,	6:14 Clear																							
Moonrise:	5:58 am																							
Sunset: Time, Character,																					5:33 Cloudy			
Moonset:																					6:13 pm			
Sunshine (in tenths of hours)							0.77 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0						
Wind direction	S	S	S	S	SW	SW	SW	W	W	W	NW	N	NW	W	SW	SW	SW	SW	SW	SW	SW	SW	0	NW
Wind movement	5	5	6	7	4	5	4	4	7	8	5	5	4	4	6	6	6	3	3	4	1	2	0	3
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

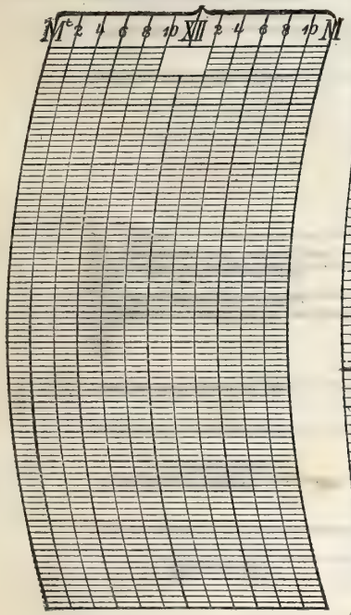
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	24	35.5	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, New Moon 5:11 am
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 10.3 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 91
Prevailing wind direction, SW Total wind 107
Average hourly velocity, 4.5 Extreme velocity, 10
Maximum velocity, 10 Direction, W
Time began, 8:48 am
Reduced barometer, 30.18, 7 a. m. 30.16, 7 p. m.
River gage, 4.2 ft.
Relative humidity, 88, 7 a. m. 48, 7 p. m.

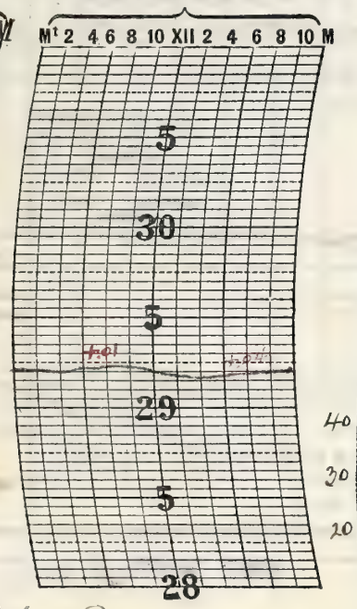
OBSERVATIONS AT ~~12 NOON~~ 1238 pm
(Local Mean Time.)

Dry temperature, 40.4 Wet temperature, 32.9
Dew-point, 21 R. humidity, 42 V. pressure, .108
Clouds: Amount, Bnk; Kind, St.; Direction, NW
Velocity of clouds (miles per hour)

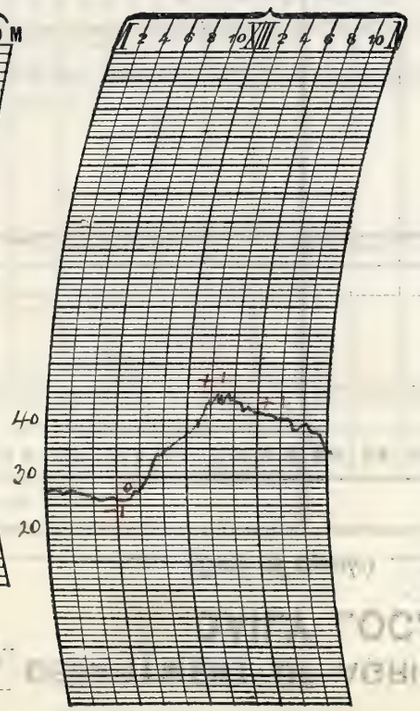
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The greater part of the day was Clear, but with increasing Cloudiness in the afternoon. Cool in the morning, the weather moderating as the day advanced. As a whole the weather was exceptionally fine.

Prepared by N. S. Baker.
Verified by A. McDougall

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 3 1919, 191

Time (local standard) 90th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	33	32	31	31	30	30	32	38	42	46	48	50	52	53	52	50	49	48	47	46	47	[illegible]	[illegible]
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Clear						→ Partly	× Cloudy	× Partly	← Clear								
Sunrise: Time, Character,	6:12 Clear																							
Moonrise:	6:30 a.m.																							
Sunset: Time, Character,																					5:34 Cloudy			
Moonset:																					7:27 p.m.			
Sunshine (in tenths of hours)							0.8 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0	0						
Wind direction	NE	NE	NE	E	E	E	E	SE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	3	3	5	5	5	4	2	3	6	9	12	13	13	14	14	12	9	8	9	10	11	12	13	14
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
53	30	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 9.8 Possible sunshine, hours, 11.4

Per cent of possible sunshine, 86

Prevailing wind direction, S Total wind 209

Average hourly velocity, 8.7 Extreme velocity, 20

Maximum velocity, 19 Direction, S

Time began, 2:16 pm

Reduced barometer, 30.17 7 a. m. 30.03 7 p. m.

River gage, 4.1 ft

Relative humidity, 84 7 a. m. 38 7 p. m.

OBSERVATIONS AT 12 NOON. 12:38 pm
(Local Mean Time.)

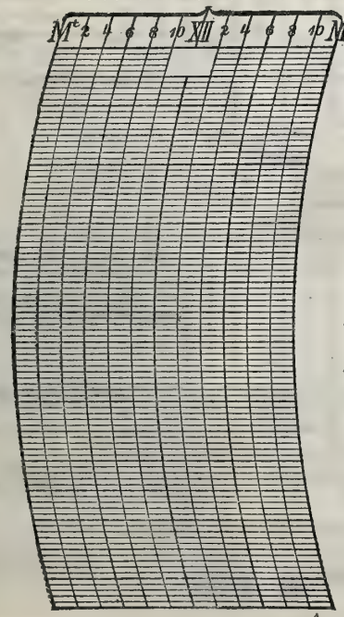
Dry temperature, 52.0 Wet temperature, 41.0

Dew-point, 26 R. humidity, 36 V. pressure, .136

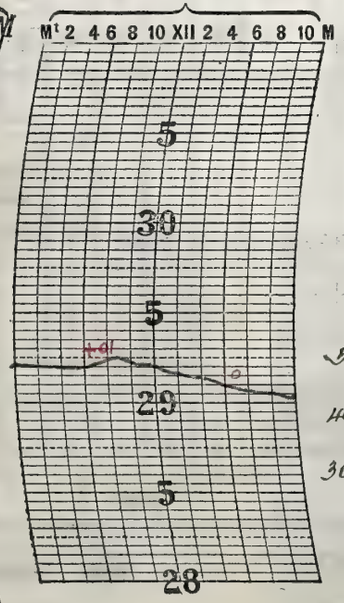
Clouds: Amount, 4; Kind, Ci St.; Direction, W

Velocity of clouds (miles per hour)

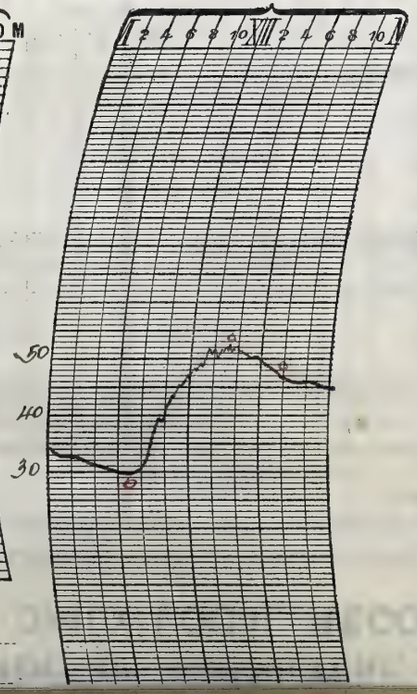
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Some Cloudiness in the afternoon, but forenoon and night nearly Clear. Pleasant temperature

Prepared by N. S. Baker

Verified by J. M. Donnelly

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 4 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	43	43	43	44	48	48	50	53	54	56	59	59	63	62	64	55	50	48	45	41	39	36	34
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy			Pt. Cloudy					Cloudy				Pt Cldy		Clear			
Sunshine (in tenths of hours)							0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0	0						
Wind direction	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	NW	NW	N	NW	N	N	N	NE
Wind movement	13	14	15	13	14	17	17	14	16	20	20	21	19	21	18	13	9	7	6	9	11	10	12	12
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:10 Character, Cloudy
Moonrise: 7:03 am
Sunset: Time, 5:35 Character, Cloudy
Moonset: 8:41 P.M.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

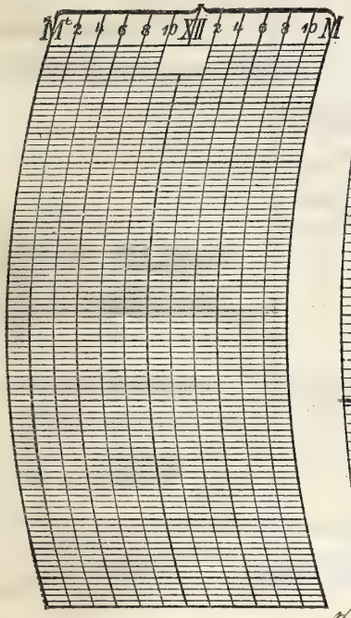
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
64	34	49	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 8.0 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 70
Prevailing wind direction, SW Total wind 341
Average hourly velocity, 14.2 Extreme velocity, 30
Maximum velocity, 25 Direction, SW
Time began, 1:33 p.m.
Reduced barometer, 29.91, 7 a. m. 29.76, 7 p. m.
River gage, 4.1 ft.
Relative humidity, 67, 7 a. m. 70, 7 p. m.

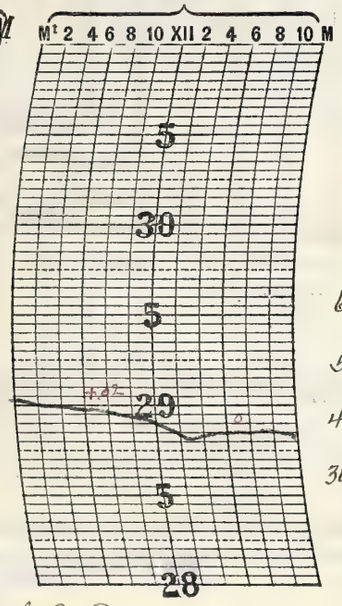
OBSERVATIONS AT ~~12 NOON~~ 2:38 P.M.
(Local Mean Time.)

Dry temperature, 59.5 Wet temperature, 49.0
Dew-point, 38 R. humidity, 46 V. pressure, .228
Clouds: Amount, 2/5; Kind, Cu St; Direction, SW
Velocity of clouds (miles per hour)

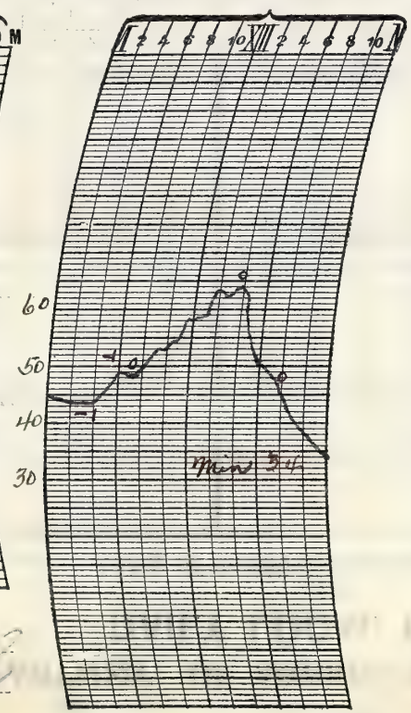
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Warm, pleasant day, but falling temperature after 4 p.m., the latter night being quite cold.

Prepared by A. S. Baker,
Verified by C. M. Donovan

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 5 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	32	31	28	27	26	26	24	23	23	24	25
State of weather: Nature of precipitation and time of beginning and ending	R B 12:30	—	R E H.N. S-B H.N	—	S-E H.N			S-B 7:05	—	—	S-E 10:40	
Amounts of precipitation												
Cloudiness and other conditions							Cloudy X				Cl.	
Sunshine (in tenths of hours)							0	0	0	0.7	1.0	1.0
Wind direction	N	N	N	N	NE	N	N	N	N	N	NW	NW
Wind movement	11	10	10	13	14	13	14	13	13	15	16	15

Sunrise: Time, 6:09; Character, Cloudy. Moonrise: 7:39 a.m.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	25	26	27	27	27	27	26	26	25	25	24	22
State of weather: Nature of precipitation and time of beginning and ending										S-B 9:10	—	S-E H.N
Amounts of precipitation												
Cloudiness and other conditions	Cloudy					X	Cldy	X	Clear			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.8	0						
Wind direction	N	N	N	NW	NW	N	N	N	N	N	N	N
Wind movement	14	15	13	12	15	11	8	9	7	5	6	4

Sunset: Time, 5:36; Character, Cloudy. Moonset: 9:54 P.M.

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

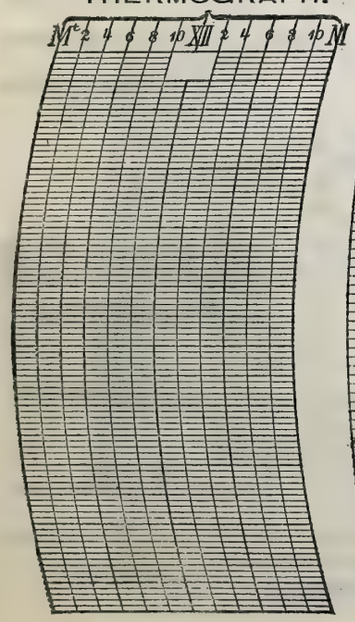
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	23	28	

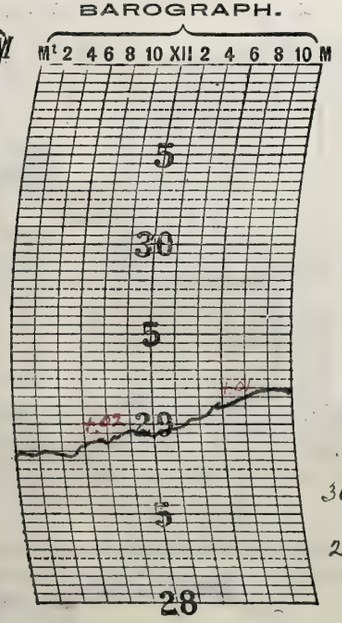
Total depth of snow for 24 hours ending 7 p. m., 0.5 inches.
Snow, sleet, and hail on ground 7 p. m., 0.3 inches.
Total snowfall, midnight to midnight, 1.0 inches.
Precipitation to 7 a. m., .24 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .25 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 7.5 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 66
Prevailing wind direction, N Total wind 276
Average hourly velocity, 11.5 Extreme velocity, 23
Maximum velocity, 21 Direction, NW
Time began, 11:45 am
Reduced barometer, 29.87 7 a. m. 30.09 7 p. m.
River gage, 4.2 ft
Relative humidity, 94 7 a. m. 80 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 26.0 Wet temperature, 24.2
Dew-point, 21 R. humidity, 78 V. pressure, .108
Clouds: Amount, 7; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

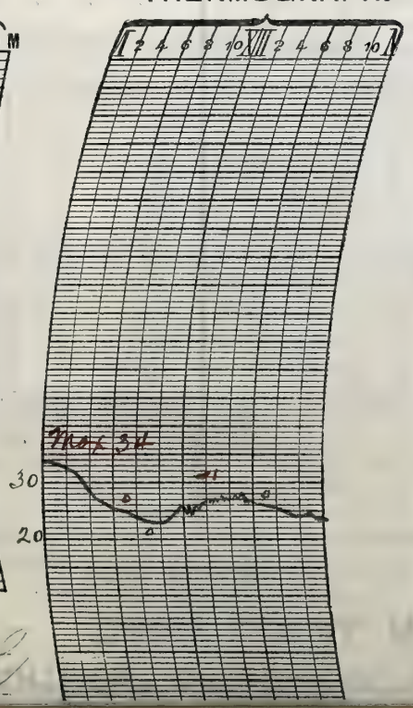
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cold wave warning was received at 9:30 am.

Generally partly cloudy and cold with rain, changing to snow in early morning. Snow flurries from an almost clear sky occurred beginning at 9:10 pm and ending in the late pm.

Sidewalks icy, especially on the shaded side of the streets.

Prepared by A. S. Baker

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 6 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	23	22	22	21	21	21	19	20	22	23	26	25	26	28	27	27	27	27	26	26	25	25	24	24
State of weather: Nature of precipitation and time of beginning and ending											Sd B 10:40	Sd E 12:00												
Amounts of precipitation																								
Cloudiness and other conditions							Clear			Pt Cloudy			Cloudy											
Sunshine (in tenths of hours)							0.78 0.1	1.0	1.0	1.0	0.8	0.2	0.7	0.8	0	0	0	0						
Wind direction	N	NW	NW	NE	NE	NE	NE	NE	E	NE	E	NE	E	NE	NE	NE	NE	NE	NE	NE	E	E	NE	E
Wind movement	3	5	4	3	3	5	8	8	7	7	7	8	7	6	7	7	7	9	8	7	7	6	6	4
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:07 Character, Clear
Moonrise: 8:20 a.m.
Sunset: Time, 5:37 Character, Cloudy
Moonset: 11:06 P.M.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

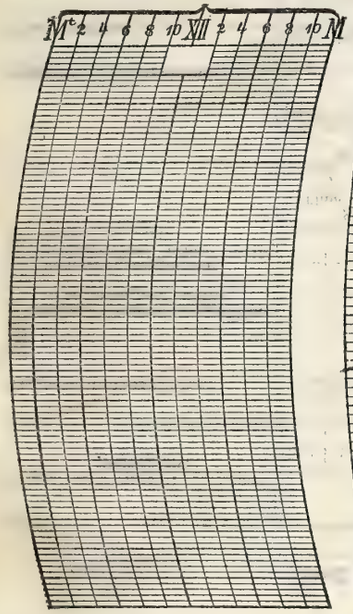
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
28	19	24	

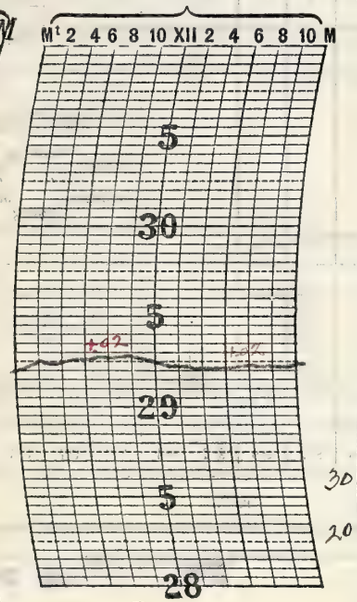
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 6.4 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 56
Prevailing wind direction, NE Total wind 149
Average hourly velocity, 6.2 Extreme velocity, 10
Maximum velocity, 10 Direction, NE
Time began, 6:44 a.m.
Reduced barometer, 30.25, 7 a. m. 30.19, 7 p. m.
River gage, 4.2 ft.
Relative humidity, 82, 7 a. m. 74, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 25.8 Wet temperature, 24.3
Dew-point, 22 R. humidity, 82 V. pressure, .113
Clouds: Amount, 9; Kind, St.Cu; Direction, NE
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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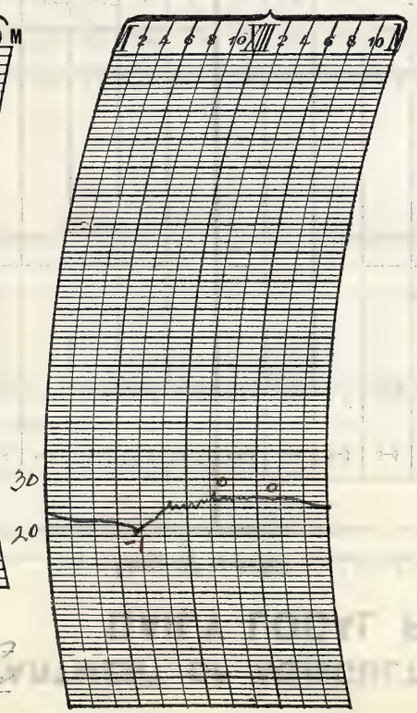


NOTES.

Pool not pleasant A.M.

Prepared by N S Baker
Verified by F. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 7 1919, 191

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	23	23	22	22	22	23	23	23	25	27	28	30	31	34	38	37	36	35	33	33	32	29	29	28
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Partly Cloudy						Clear											
Sunshine (in tenths of hours)							0	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0						
Wind direction	E	NE	E	NE	NE	NE	E	NE	E	E	NE	E	E	E	E	NE	E	NE	NE	E	E	E	E	E
Wind movement	3	5	4	4	6	6	6	6	5	5	5	6	4	4	4	5	5		6	8	9	8	8	8

Sunrise: Time, 6:06 Character, Cloudy
Moonrise: 9:06 a.m.
Sunset: Time, 5:39 Character, Clear
Moonset: - - -

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

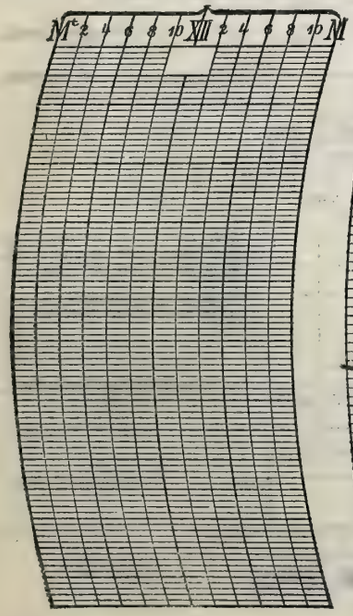
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	22	30	

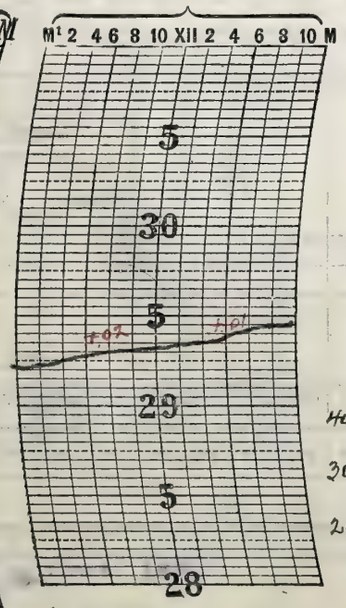
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 10.2 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 88
Prevailing wind direction, E Total wind 13.3
Average hourly velocity, 5.7 Extreme velocity, 15
Maximum velocity, 11 Direction, E
Time began, 8:41 p.m.
Reduced barometer, 30.25 7 a. m. 30.34 7 p. m.
River gage, 4.0 ft.
Relative humidity, 80 7 a. m. 76 7 p. m.

OBSERVATIONS AT 12 ~~NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 32.0 Wet temperature, 25.4
Dew-point, 10 R. humidity, 35 V. pressure, .063
Clouds: Amount, 0; Kind, ; Direction, 0
Velocity of clouds (miles per hour)

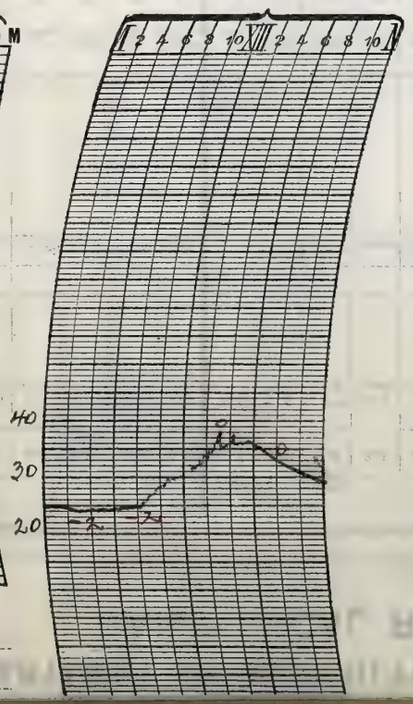
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Continued cool, but pleasant weather; decreasing cloudiness after the am observation, night being clear with moonlight

Prepared by D. S. Barker
Verified by F. McDonough W

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Saturday, (Date) MAR 8 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	27	26	26	25	25	24	28	30	32	33	35
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)							0.9	0.1	1.0	1.0	1.0	
Wind direction	E	E	NE	NE	E	E	NE	NE	E	E	NE	NE
Wind movement	8	7	8	7	9	10	9	11	13	12	16	17

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	34	33	29	28	28	29	30	32	32	32
State of weather. Nature of precipitation and time of beginning and ending				Sm B Blizz	—	—	—	—	Sm E 8:30 R 13 8:30	—	—	—
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)	0.7	0	0	0	0							
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	16	16	19	18	19	19	20	20	21	21	20	18

Sunrise: Time, 6:04; Character, Clear. Moonrise: 9:57 p.m.

Sunset: Time, 5:40; Character, Cloudy. Moonset: 12:14 am

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

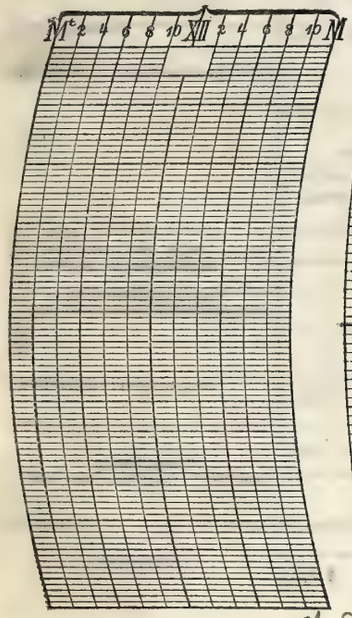
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	24	30	

Total depth of snow for 24 hours ending 7 p. m., 4.0 inches.
Snow, sleet, and hail on ground 7 p. m., 4.0 inches.
Total snowfall, midnight to midnight, 5.5 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 4.0 ins.
Total precipitation, midnight to midnight, 0.73 inches.
Character of day, Cloudy Moon phase, First Quarter 9:14 p.m.
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 6.6 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 57
Prevailing wind direction, NE Total wind 3.65
Average hourly velocity, 14.8 Extreme velocity, 33
Maximum velocity, 29 Direction, NE
Time began, 6:44 p.m.
Reduced barometer, 30.38, 7 a. m. 29.94, 7, p. m.
River gage, 3.9 ft.
Relative humidity, 74 7 a. m. 94 7 p. m.

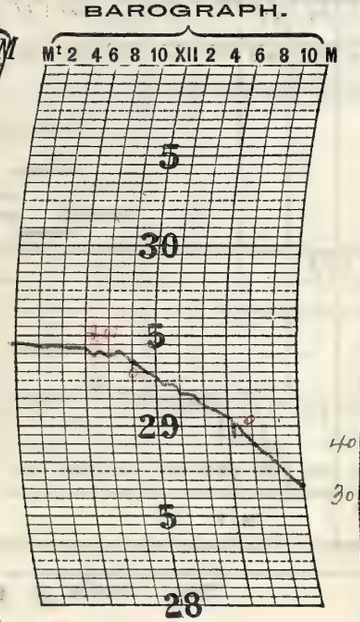
OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)

Dry temperature, 35.5 Wet temperature, 29.7
Dew-point, 20 R. humidity, 49 V. pressure, 10.3
Clouds: Amount, 4.6; Kind, Ast St; Direction, NE
Velocity of clouds (miles per hour)

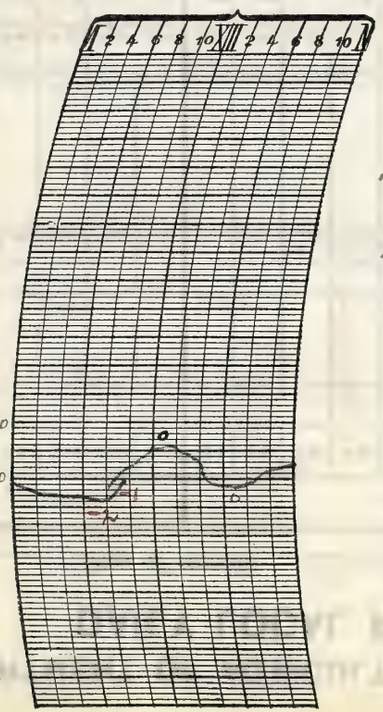
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by A. S. Baker

Verified by C. McDonough

8—486

NOTES.

o Estimated

The temperature fluctuated but little during the day and did not depart far from the freezing point. Clear in the early morning, but with falling pressure. Cloud formation became rapid shortly after the a.m. observation, the weather becoming threatening in the afternoon and quite a heavy snowfall occurred between 4 p.m. and 7 p.m. The snow changed to rain at 8:30 p.m. and the rain continued into the 9th. Street and sidewalks in bad condition as a result of melting snow.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 9 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	32	33	33	32	32	30	30	29	30	30	31	32
State of weather: Nature of precipitation and time of beginning and ending	–	–	–	–	–	RE 5:30 S^m B 5:30	–	–	–	S^m E 9:00		
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)							0	0	0	0.6	0.4	0.9
Wind direction	NE	NE	NE	NE	N	NW	NW	NW	NW	NW	NW	W
Wind movement	18	11	14	10	9	13	18	19	19	19	18	16

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	34	35	37	36	36	34	34	33	32	31	30	29
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt Cloudy				Clear			
Sunshine (in tenths of hours)	1.0	0.4	0.9	1.0	0.0	0.8						
Wind direction	NW	NW	W	W	W	W	W	W	SW	SW	SW	SW
Wind movement	17	17	17	21	16	12	9	9	8	9	10	1

Sunrise: Time, 6:02 Character, Clouds
Moonrise: – –
Sunset: Time, 5:41 Character, Clear
Moonset: 1:15 a.m.

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

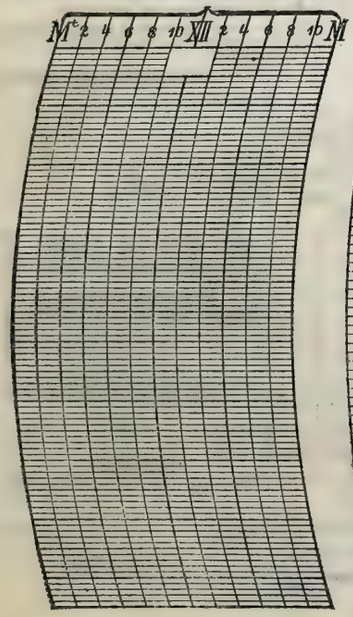
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	29	33	

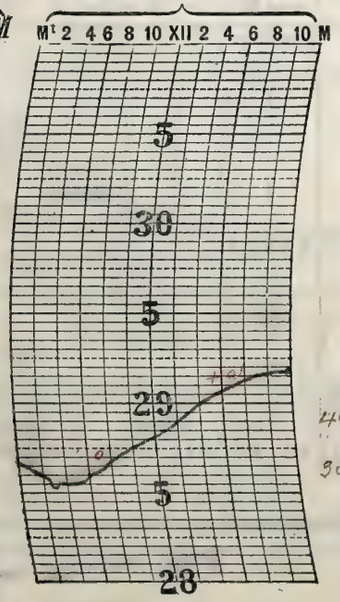
Total depth of snow for 24 hours ending 7 p. m., 1.7 inches.
Snow, sleet, and hail on ground 7 p. m., 2.0 inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., 0.02 ins.; to 7 p. m., 0.2 ins.
Total precipitation, midnight to midnight, 0.35 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 6.9 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 59
Prevailing wind direction, NW Total wind 349
Average hourly velocity, 14.2 Extreme velocity, 26
Maximum velocity, 24 Direction, W
Time began, 3:05 pm
Reduced barometer, 29.54 7 a. m. 30.05 7 p. m.
River gage, 4.2 ft.
Relative humidity, 7 a. m. 62 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 33.2 Wet temperature, 31.2
Dew-point, 28 R. humidity, 80 V. pressure, 150
Clouds: Amount, 9; Kind, Stratus; Direction, NW
Velocity of clouds (miles per hour)

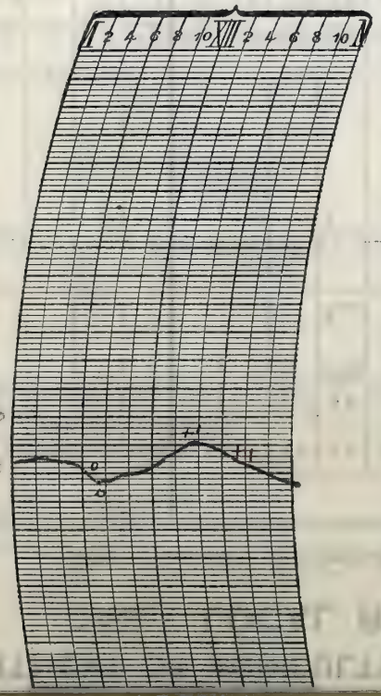
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by N. S. Baker
Verified by F. M. Donough

NOTES.

o Estimated

Rain or snow fell during the early part of the day, but the weather cleared rapidly in the afternoon, the night being clear with moonlight. Cool with slight temperature changes. Strong Stiffy.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Monday, (Date) MAR 10 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	29	28	28	28	27	28	28	32	37	40	41	42	42	43	43	39	37	37	36	36	35	34	34	33
State of weather: Nature of precipitation and time of beginning and ending																RA 3:45	RE 4:30							
Amounts of precipitation																								
Cloudiness and other conditions							← Clear												→ Cloudy					
Sunrise: Time, Character	6:01 Clear																							
Moonrise:	—																							
Sunset: Time, Character																					5:42 Cloudy			
Moonset:																					2:08 a.m.			
Sunshine (in tenths of hours)							0.98 0	0.5 0.9	1.0	1.0	1.0	1.0	0.6	1.0	0.8	0	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W	W	W
Wind movement	9	9	7	7	10	10	10	10	13	16	17	16	15	15	16	14	13	10	10	11	10	10	10	9
Maximum velocities (exceeding 25 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

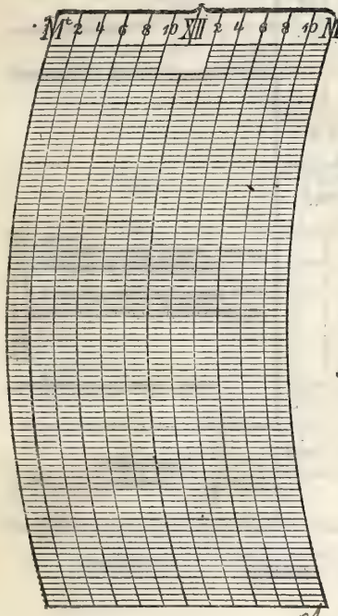
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
43	27	35	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 1.0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 8.4 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 72
Prevailing wind direction, SW Total wind 277
Average hourly velocity, 11.5 Extreme velocity, 23
Maximum velocity, 22 Direction, W
Time began, 3:53 p.m.
Reduced barometer, 30.14 a. m. 30.11, 7 p. m.
River gage, 6.6 ft.
Relative humidity, 71, 7 a. m. 79 p. m.

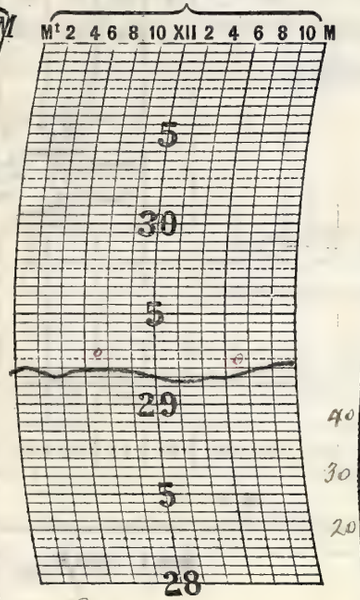
OBSERVATIONS AT ~~12 NOON~~ 1:28 P.M.
(Local Mean Time.)

Dry temperature, 42.5 Wet temperature, 36.0
Dew-point, 26 R. humidity, 52 V. pressure, .136
Clouds: Amount, 8; Kind, St; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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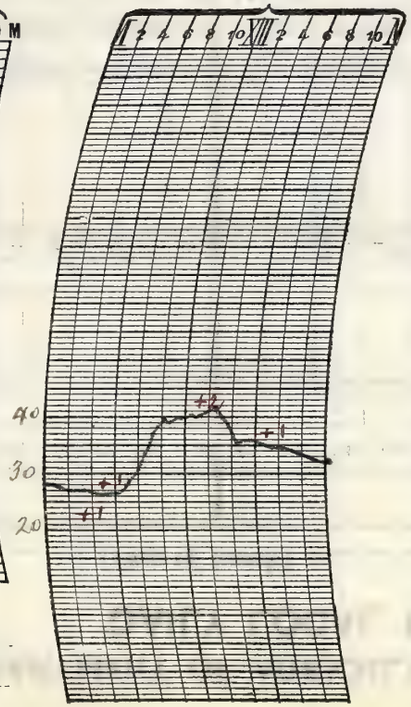


NOTES.

The weather during the forenoon was generally clear and pleasant and that of the afternoon and night cloudy, threatening and disagreeable with light rain from 3.45 pm to 4:30 pm. The temperature remained practically unchanged.

Prepared by N. S. Baker
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 11 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	32	31	30	29	28	28	29	30	32	34	34	35
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Pt. Cloudy					
Sunrise: Time, Character	5.59 Cloudy											
Moonrise	1:00 P.M.											
Sunshine (in tenths of hours)						0	0	0.9	1.0	1.0	1.0	1.0
Wind direction	W	W	W	W	W	W	W	W	NW	NW	NW	W
Wind movement	9	9	9	9	8	6	7	8	9	11	9	9
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	36	39	40	39	39	37	36	35	34	34	33	32
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							→ Clear					
Sunset: Time, Character									5.43 Clear			
Moonset									2.53 a.m.			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.32 0.4						
Wind direction	W	W	W	W	SW	W	W	SW	SW	SW	SW	SW
Wind movement	11	9	11	10	10	9	8	6	7	8	8	8
Maximum velocities (exceeding 29 miles) direction and time												

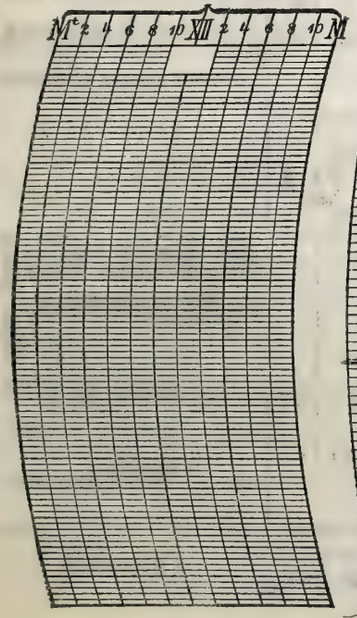
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	28	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.2 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.2 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 91
Prevailing wind direction, W Total wind 208
Average hourly velocity, 7.4 Extreme velocity, 13
Maximum velocity, 13 Direction, SW
Time began, 2:15 p.m.
Reduced barometer, 30.31 7 a. m. 30.40 7 p. m.
River gage, 9.4 ft.
Relative humidity, 87 7 a. m. 59 7 p. m.

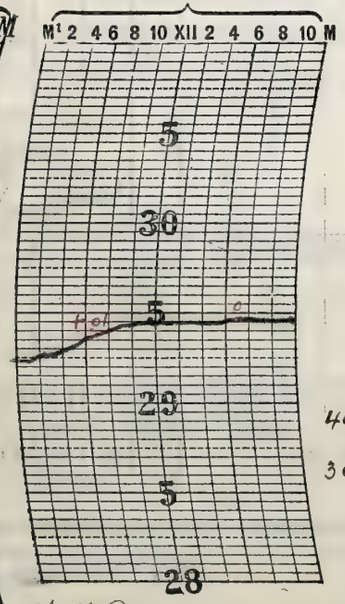
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 37.2 Wet temperature, 31.0
Dew-point, 21 R. humidity, 48 V. pressure, .108
Clouds: Amount, 5; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

THERMOGRAPH.



BAROGRAPH.



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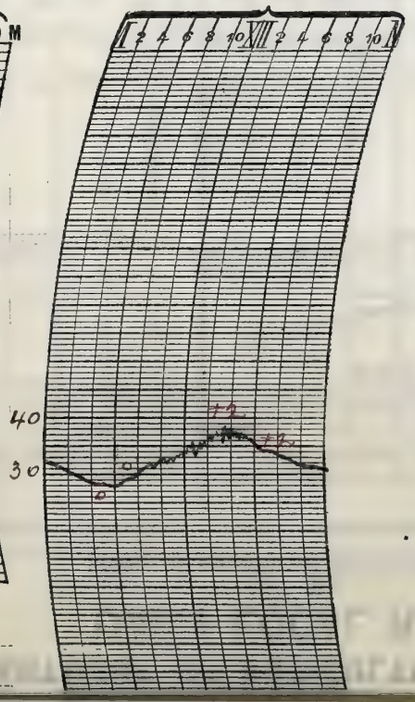


NOTES.

Decreasing Cloudiness from the AM Observation the late afternoon and night being Clear with moonlight at night. Moderate temperature prevailed. The day as a whole was quite pleasant

Prepared by N. S. Barey

Verified by P. M. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 12 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	31	32	32	33	33	36	40	42	44	47
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)						0.05 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	8	9	10	10	12	12	12	14	16	19	20

Sunrise: Time, 5.57; Character, Clear. Moonrise: 2.05 P.M.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	52	53	52	53	51	48	46	46	45	44	43
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Pt Cloudy					
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.2						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	19	20	21	19	15	10	10	11	11	11	11	8

Sunset: Time, 5.44; Character, Cloudy. Moonset: 3.32 A.M.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

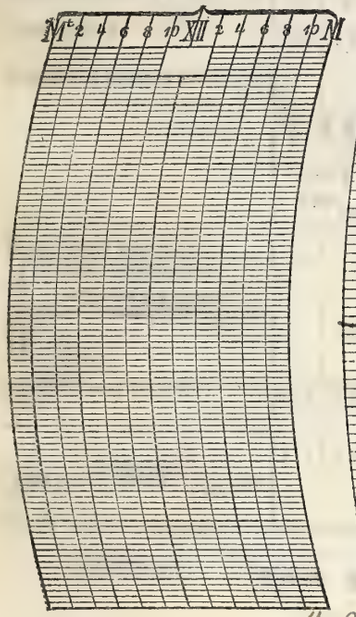
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	31	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 11.2 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 95
Prevailing wind direction, SW Total wind 316
Average hourly velocity, 13.2 Extreme velocity, 29
Maximum velocity, 24 Direction, SW
Time began, 2:40 p.m.
Reduced barometer, 30.39 7 a. m. 30.23 7 p. m.
River gage, 9.9 ft
Relative humidity, 66 7 a. m. 56 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 1238 P.M. (Local Mean Time.)

Dry temperature, 50.0 Wet temperature, 41.0
Dew-point, 29 R. humidity, 44 V. pressure, .15 7
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH.



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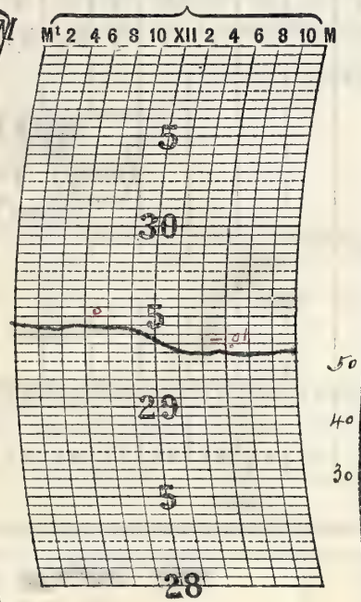

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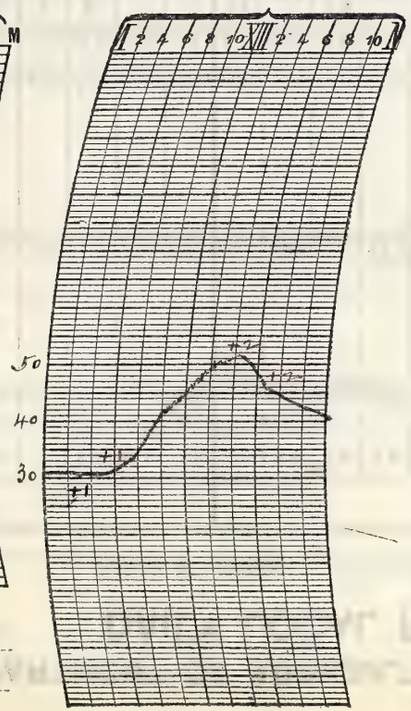


NOTES.

The weather was exceptionally fine. There was some cloudiness in the late afternoon and early night but the day as a whole was largely clear, and bright moonlight obtained at night.

Prepared by W. S. Baker
Verified by P. McDonough

8—466

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 13 1913, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	42	41	40	39	38	40	41	44	44	47	50
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Cloudy				Pt. Cloudy		
Sunrise: Time, Character	Sunrise: 5:56 Cloudy											
Moonrise	Moonrise: 3:08 P.m.											
Sunshine (in tenths of hours)						0	0	0	0.7	1.0	1.0	1.0
Wind direction	SW	SW	SW	S	S	S	SW	S	S	NE	NE	NE
Wind movement	7	3	5	8	7	7	5	7	6	8	11	13
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	47	45	38	36	35	32	32	31	30	30	28
State of weather: Nature of precipitation and time of beginning and ending											RB 10:40	—
Amounts of precipitation												
Cloudiness and other conditions				Cloudy								
Sunrise: Time, Character									Sunset: Time, Character: 5:45 Cloudy			
Moonrise									Moonset: 4:05 a.m.			
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.2	0	0						
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E
Wind movement	16	17	18	20	21	20	23	22	22	20	25	19
Maximum velocities (exceeding 29 miles) direction and time											30 NE 10:20	

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	28	39	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.03 inches.
Character of day, Cloudy, Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 6.9 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 58
Prevailing wind direction, NE Total wind 330
Average hourly velocity, 13.8 Extreme velocity, 35
Maximum velocity, 30 Direction, NE
Time began, 10:20 p. m.
Reduced barometer, 30.21 7 a. m. 30.29 7 p. m.
River gage, 9.3 ft
Relative humidity, 63 7 a. m. 74 7 p. m.

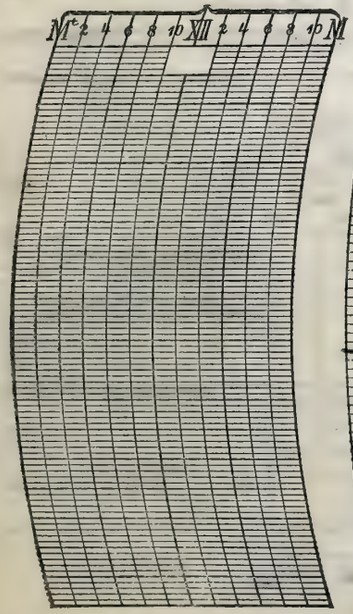
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

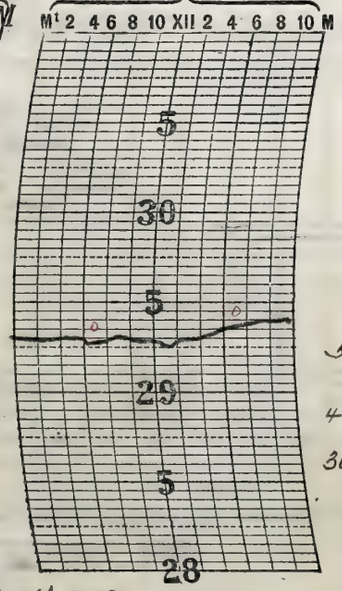
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 49.2 Wet temperature, 42.2
Dew-point, 34 R. humidity, 56 V. pressure, .191
Clouds: Amount, 4 (0-10); Kind, St; Direction, NE
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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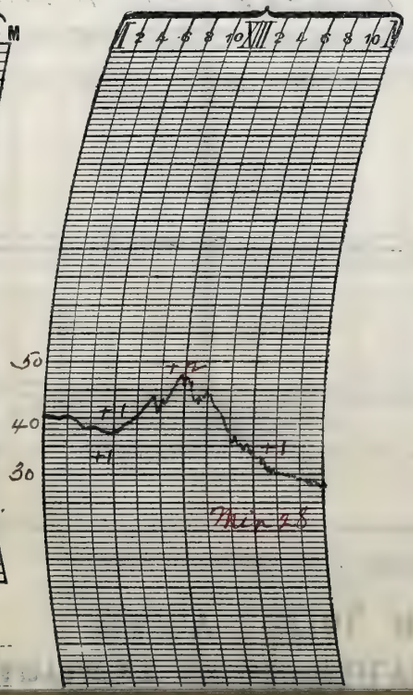


Prepared by H. S. Baker
Verified by P. McDonough

o Estimated

NOTES.

The day was largely cloudy and rain began at 10:40 pm and continued into the 14th. Mild temperature obtained during a considerable part of the day, but the weather became cool, with freezing temperature at night.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Friday, (Date) MAR 14 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	28	29	29	28	28	28	28	28	29	29	[illegible]	32
State of weather: Nature of precipitation and time of beginning and ending	—	—	—	—	—	RE AN SNO N	—	SNOW 7:20				
Amounts of precipitation												
Cloudiness and other conditions							Cloudy			Pt Cloudy		
Sunshine (in tenths of hours)						0	0	0	0	0.1	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	20	18	18	12	16	16	15	15	15	14	16	15
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	35	35	35	36	35	35	34	34	35	35	36	[illegible]
State of weather: Nature of precipitation and time of beginning and ending											RAIN 11:00	
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)	1.0	0.9	0.8	0	0	0						
Wind direction	E	NE	NE	NE	NE	NE	NE	NE	E	E	E	E
Wind movement	20	19	20	20	20	19	20	19	18	15	17	15
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 5:54 Character, Cloudy
Moonrise: 4:10 P.M.
Sunset: Time, 5:46 Character, Cloudy
Moonset: 4:35 Cloudy

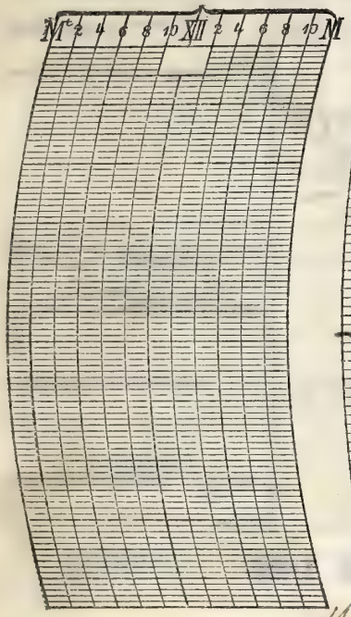
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	27	32	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .10 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10),
Actual sunshine, hours, 4.6 Possible sunshine, hours, 11.9
Per cent of possible sunshine, 40
Prevailing wind direction, NE Total wind 412
Average hourly velocity, Extreme velocity, 28
Maximum velocity, 25 Direction, NE
Time began, 3:44 p.m.
Reduced barometer, 30.38 7 a. m. 30.33 7 p. m
River gage, 9.2+
Relative humidity, 94 7 a. m. 81 7 p. m.

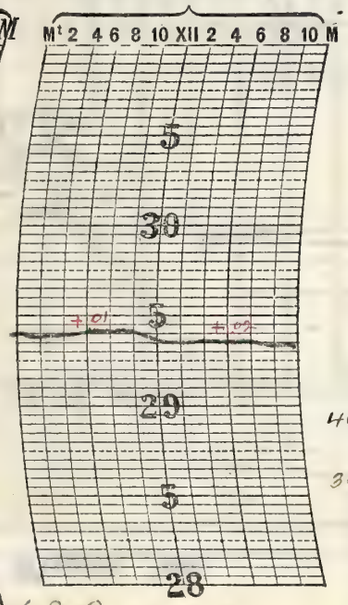
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 35.0 Wet temperature, 33.5
Dew-point, 31 R. humidity, 86 V. pressure, .172
Clouds: Amount, 7; Kind, Cu; Direction, E
Velocity of clouds (miles per hour)

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

THERMOGRAPH.



BAROGRAPH.



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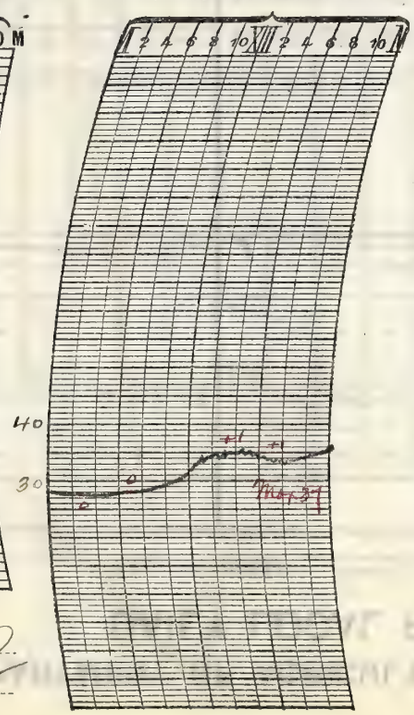


NOTES.

Rain and moist snow in the early part of the day. The streets and sidewalks were coated with glaze until about 10 a.m. The day as a whole was cloudy and rain continued from 11 p.m. The temperature fluctuations were small during the day

Prepared by W. S. Barr
Verified by F. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 15 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	38	38	39	43	46	50	51	54	56	57	58	57	55	55	54	54	55	56	56	57	57	57	58
									RE				RB											
State of weather: Nature of precipitation and time of beginning and ending	—	—	—	—	—	—	—	—	8:30				12:30	—	—	—	—	—	—	—	—	—	—	—
Amounts of precipitation																								
Cloudiness and other conditions	← Cloudy →																							
Sunrise: Time, 5:53; Character, Cloudy																								
Moonrise: 5:11 P.m.																								
Sunset: Time, 5:47; Character, Cloudy																								
Moonset: 5:03 a.m.																								
Sunshine (in tenths of hours)						0	0	0	0	0	06	02	04	0	0	0	0	0						
Wind direction	E	E	E	E	SE	SE	SE	SE	S	S	S	S	S	S	S	SE	SE	SE	SE	SE	S	S	S	S
Wind movement	14	12	12	9	8	12	8	9	11	13	14	14	16	15	12	12	12	13	12	14	12	14	14	
Maximum velocities (exceeding 20 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

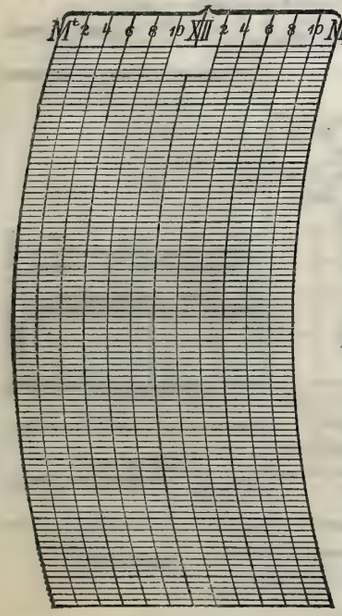
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
58	37	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 1.30 ins.; to 7 p. m., 87 ins.
Total precipitation, midnight to midnight, 2.43 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.7 Possible sunshine, hours, 11.9
Per cent of possible sunshine, 10
Prevailing wind direction, S Total wind 296
Average hourly velocity, 12.3 Extreme velocity, 20
Maximum velocity, 19 Direction,
Time began, 12:09 p.m.
Reduced barometer, 30.23, 7 a. m. 30.09 7 p. m.
River gage, 11.1 ft.
Relative humidity, 96 7 a. m. 94 7 p. m.

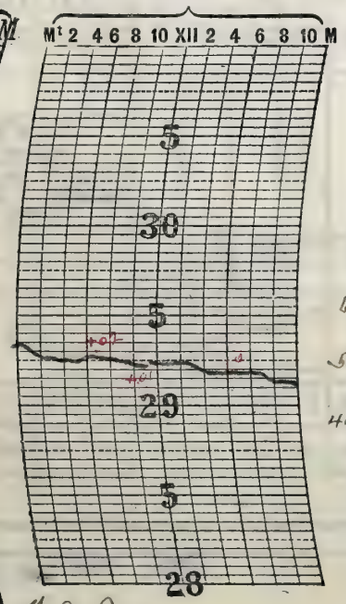
OBSERVATIONS AT ~~12 NOON~~. 12:38 PM
(Local Mean Time.)

Dry temperature, 57.8 Wet temperature, 54.5
Dew-point, 52 R. humidity, 84 V. pressure, .387
Clouds: Amount, 3 7; Kind, St Cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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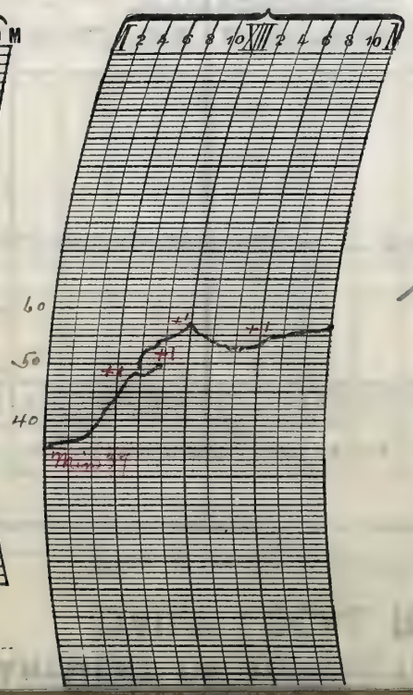


NOTES.

Estimated

Rising temperature and cloudy, with rain, heavy at intervals, especially in the early morning.

A flood warning was issued for Fort Wayne at 9:30 am. A stage of 17 feet or higher was forecast for Sunday. The river rose rapidly during the day; at 7 am the gage read 11.1 feet, and at 7:30 pm 16.8 feet.

The lowlands in the vicinity of Fort Wayne became flooded in the early evening.

An additional warning was issued at 7:50 pm, indicating a stage of 21 feet by Monday morning.

Prepared by N. S. Baker

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 16 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	59	59	60	59	59	58	58	59	61	63	65	64	65	64	63	62	61	61	60	60	59	58	56
State of weather: Nature of precipitation and time of beginning and ending	—	—	—	—	—	—	—	—	—	RE 9:30														
Amounts of precipitation																								
Cloudiness and other conditions	Cloudy																							
Sunshine (in tenths of hours)						0	0	0	0	×0.3	×0.6	×1.0	×1.0	×1.0	×1.0	×0.8	0	0						
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	S	S	S	SW	SW	SW	SW
Wind movement	17	23	22	21	21	20	18	17	22	21	25	21	22	21	26	22	19	15	9	7	9	7	7	7
Maximum velocities (exceeding 25 miles) direction and time															26 SW 2:57									

Sunrise: Time, 5:51; Character, Cloudy. Moonrise: 6:11 P.M.

Sunset: Time, 5:48; Character, Cloudy. Moonset: 5:29 am

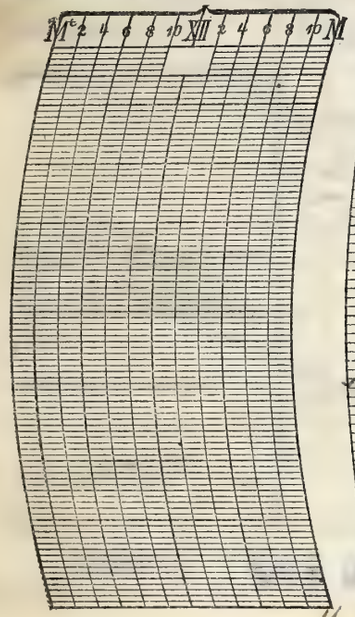
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	56		

Total depth of snow for 24 hours ending 7 p. m., ____ inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .58 ins.; to 7 p. m., .53 ins.
Total precipitation, midnight to midnight, .82 inches.
Character of day, Cloudy. Moon phase, Full Moon 9:41 am.
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.7. Possible sunshine, hours, 12.0
Per cent of possible sunshine, 48
Prevailing wind direction, S. Total wind 417
Average hourly velocity, 17.5. Extreme velocity, 38
Maximum velocity, 36. Direction, SW
Time began, 2:57 p.m.
Reduced barometer, 30.05 7 a. m. 30.02 7 p. m.
River gage, 18.8 ft.
Relative humidity, 74 7 a. m. 80 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 64.0. Wet temperature, 60.2
Dew-point, 58. R. humidity, 80. V. pressure, .482
Clouds: Amount, 8; Kind, Ast; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



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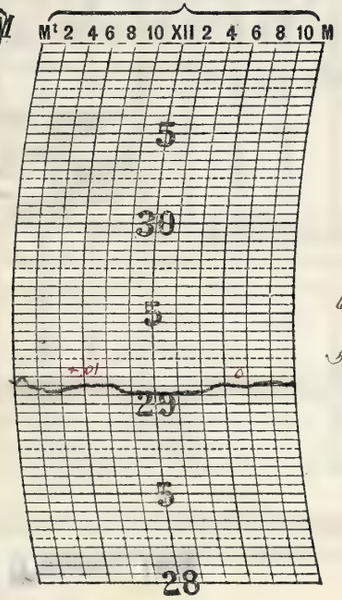
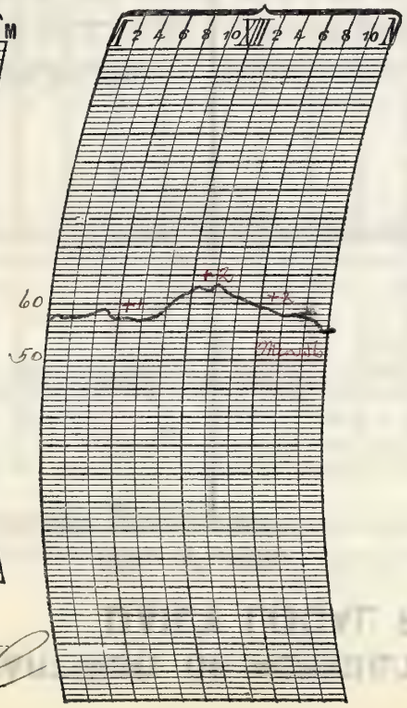


THERMOGRAPH.



× Sun shining through Ast. clouds.

NOTES.

The rain which continued from the 15th ended at 9:30 am. Cloudy and warm during the day, with sunshine through Alto Stratus Clouds.

The river gage read 18.8 feet at 7 am, and by 3 pm the river had risen to 20.5 feet.

Flood warnings were issued for Fort Wayne, Decatur, and Napoleon at 4:25 p.m.

Lowlands in the vicinity of Fort Wayne were under water.

Prepared by H. S. Berry

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 17 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	55	55	56	57	57	57	57	58	59	59	57
State of weather: Nature of precipitation and time of beginning and ending	RB	—	—	—	—	—	—	—	RE 8:15		RB 10:55	—
Amounts of precipitation												
Cloudiness and other conditions	← Cloudy →											
Sunshine (in tenths of hours)						0	0	0	×0.3	×0.8	×0.8	0
Wind direction	S	SE	SE	SE	S	S	S	S	S	S	S	S
Wind movement	5	6	7	11	8	4	5	6	9	15	17	17
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	58	60	53	57	45	42	41	40	39	40	39
State of weather: Nature of precipitation and time of beginning and ending	—	RE NT		RB 3:25 RE 3:45		RB 5:20	—	—	—	—	—	—
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	S	SW	S	SW	SW	SW	W	NW	NW	NW	W	W
Wind movement	19	21	20	20	14	11	26	26	28	27	23	16
Maximum velocities (exceeding 29 miles) direction and time				40 SW 3:35			31 NW 6:55	30 NW 7:55	32 NW 8:55	35 NW 9:10		

Sunrise: Time, 5:49 Character, Cloudy
Moonrise: 7:11 P.M.
Sunset: Time, 5:50 Character, Cloudy
Moonset: 5:56 a.m.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	39	50	

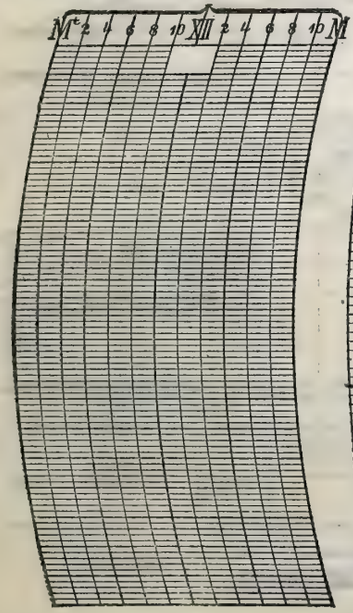
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .18 ins.
Total precipitation, midnight to midnight, .26 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 4.2 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 35
Prevailing wind direction, Total wind 361
Average hourly velocity, 15.0 Extreme velocity, 48
Maximum velocity, 40 Direction, SW
Time began, 3:35 p.m.
Reduced barometer, 29.90 7 a. m. 29.71 7 p. m.
River gage, 21.3 ft.
Relative humidity, 86 7 a. m. 96 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 PM
(Local Mean Time.)
Dry temperature, 57.5 Wet temperature, 56.5
Dew-point, 56 R. humidity, 94 V. pressure, .448
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

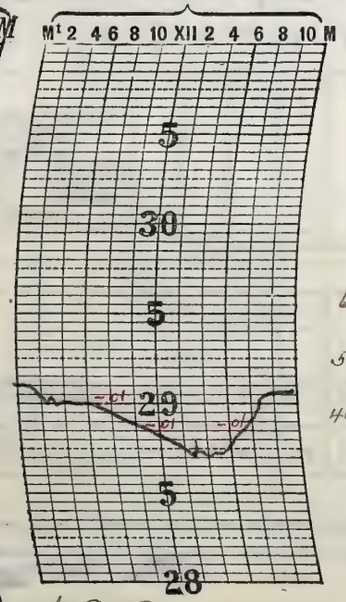
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

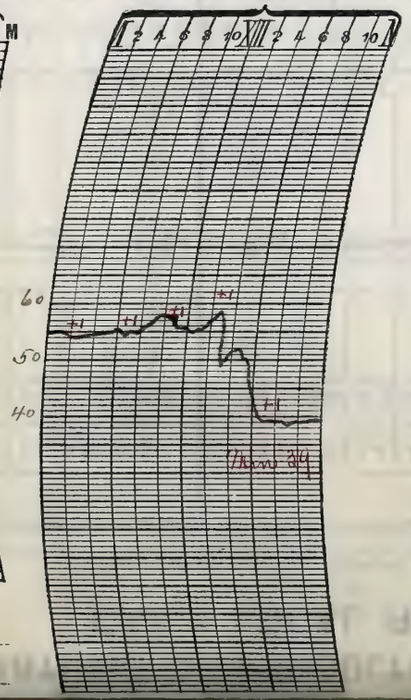
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by H. S. Baker
Verified by A. M. McDonough

x Sun shining through a.m. clouds
o Estimated

NOTES.

An eleven o'clock special was ordered by the Central Office.

The rain continued to rise steadily during the day. At 7 a.m. the gage read 21.3 feet and at one p.m. 21.5 feet. The lowlands in Fort Wayne were under a considerable depth of water and from the frequent inquiries by telephone the people seemed to be very much alarmed.

A statement was furnished the press that the rain would probably reach 23 feet within 36 hours and then it would begin to fall by Tuesday.

The weather was cloudy and threatening with rain. Warmer in the forenoon, but falling temperature in the afternoon, and cool at night. A thunderstorm moving from the southwest occurred between 3:50 p.m. and 3:40 p.m.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 18 1919, 191

Time (local standard). 9a mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	39	38	36	35	35	36	36	36	36	37	37
State of weather: Nature of precipitation and time of beginning and ending	–	–	–	–	–	–	RE 6:30					
Amounts of precipitation												
Cloudiness and other conditions	← Cloudy →											
Sunrise: Time, 5:48; Character, Cloudy												
Moonrise: 8:10 P.M.												
Sunshine (in tenths of hours)						0	0	0	0	0.2	0.2	0.6
Wind direction	W	W	SW	W	W	NW	NW	NW	NW	NW	NW	NW
Wind movement	13	8	10	7	11	11	14	15	13	13	12	14
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	40	40	42	41	40	40	40	39	37	37	36
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt. Cloudy					Clear						
Sunset: Time, 5:51; Character, Cloudy												
Moonset: 6:23 a.m.												
Sunshine (in tenths of hours)	0.6	1.0	1.0	1.0	1.0	0.5						
Wind direction	NW	NW	NW	NW	W	W	W	NW	W	W	W	W
Wind movement	14	14	15	12	9	9	5	3	2	2	1	3
Maximum velocities (exceeding 24 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

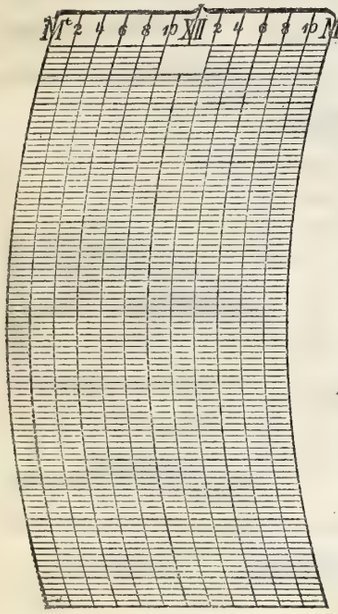
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	35	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .08 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 6.3 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 52
Prevailing wind direction, NW Total wind 230
Average hourly velocity, 9.6 Extreme velocity, 21
Maximum velocity, 20 Direction, NW
Time began, 7:57 am
Reduced barometer, 30.16, 7 a. m. 30.32, 7 p. m.
River gage, 21.7 ft.
Relative humidity, 91, 7 a. m. 62, 7 p. m.

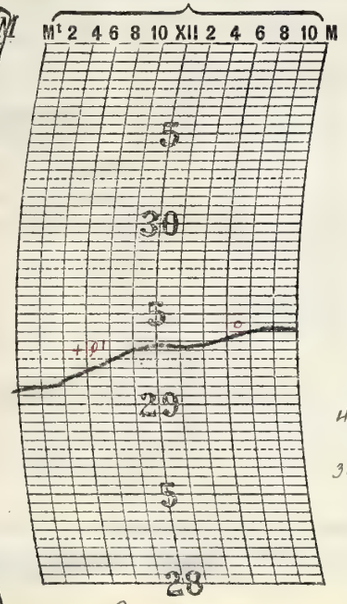
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 38.5 Wet temperature, 34.2
Dew-point, 28 R. humidity, 65 V. pressure, .150
Clouds: Amount, 10; Kind, Strat; Direction, NW
Velocity of clouds (miles per hour)

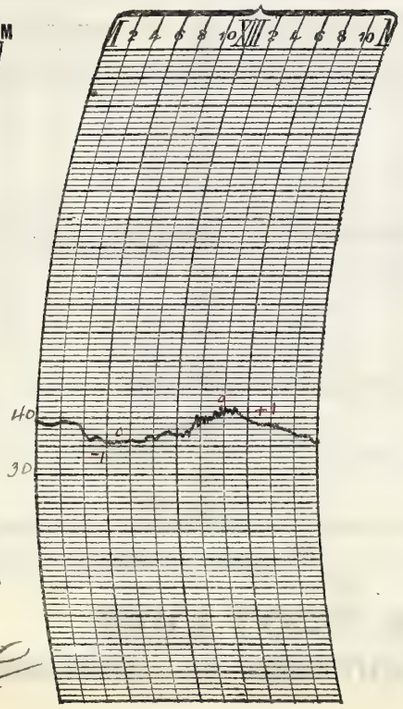
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by N. S. Baker.
Verified by P. McDonough

8—486

NOTES.

O Estimated

The crest of the flood was reached at 7 am., with a gage reading of 21.7 feet.

Advisory warnings of flood conditions were telegraphed Defiance and Napoleon and a statement furnished to the press regarding local river conditions.

Decreasing cloudiness during the day, the late afternoon and night being clear. As a whole the day was quite pleasant with moderate but lower temperatures. Moonlight at night.

The lowlands continued under water but the flood waters receded slightly and in this respect afforded considerable relief to those residing in the flooded area.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 19 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	36	35	33	33	33	36	41	43	46	48	51	54	53	55	52	52	51	50	47	46	45	41	40
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←						Clear											→
Sunshine (in tenths of hours)						0.23 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.37 0.1						
Wind direction	W	SW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SE	SE	SE	SE	E	E	E	E
Wind movement	2	3	3	4	4	3	3	3	3	5	7	7	6	7	5	5	6	3	4	5	5	5	8	7
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5:46; Character, Clear. Moonrise: 9.08 p.m.

Sunset: Time, 5:52; Character, Clear. Moonset: 6.52 a.m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

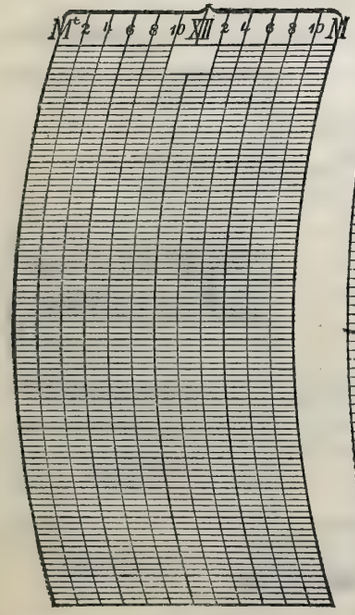
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	33	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 12.1 Possible sunshine, hours, 12.1
Per cent of possible sunshine, 100
Prevailing wind direction, S Total wind 173
Average hourly velocity, 4.7 Extreme velocity, 10
Maximum velocity, 10 Direction, E
Time began, 11:04 p. m.
Reduced barometer, 30.39, 7 a. m. 30.32, 7 p. m.
River gage, 21.1 ft.
Relative humidity, 82 7 a. m. 52 7 p. m.

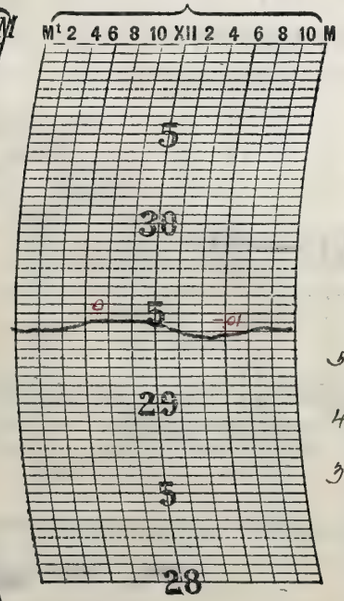
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 51.8 Wet temperature, 40.5
Dew-point, 25 R. humidity, 34 V. pressure, .130
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

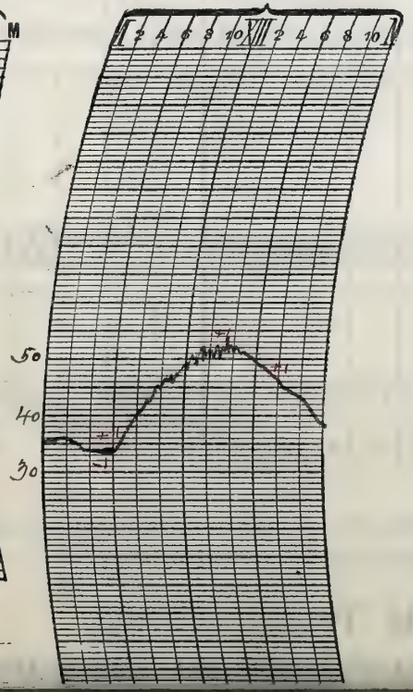
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather was clear and fine. Moonlight at night.
The low sections of the city still flooded, but flood waters receding.

Prepared by W. S. Baker
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 20 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	37	36	35	35	34	36	40	43	45	48	53	56	60	59	60	58	56	56	54	52	50	48	47
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Clear →																	
Sunshine (in tenths of hours)						0.27 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.58 0.5						
Wind direction	E	E	E	E	NE	NE	NE	E	E	E	NE	E	NE	NE	NE	NE	NE	NE	E	SE	SE	SE	NE	E
Wind movement	5	5	5	3	5	5	6	5	5	5	7	4	6	5	5	6	4	4	4	4	2	1	4	3
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 5:44; Character, Clear. Moonrise: 10:05 a.m.

Sunset: Time, 5:53; Character, Clear. Moonset: 7:24 am

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

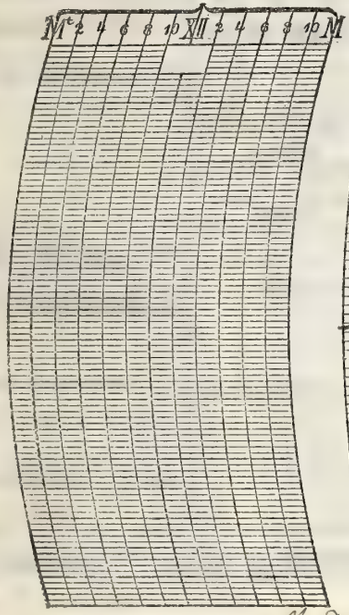
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	34	47	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 0.0
Actual sunshine, hours, 12.2 Possible sunshine, hours, 12.3
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind 108
Average hourly velocity, 4.5 Extreme velocity, 8
Maximum velocity, 8 Direction, NE
Time began, 10:13 a.m.
Reduced barometer, 30.43 7 a. m. 30.40 7 p. m.
River gage, 20.
Relative humidity, 7 a. m. 45 7 p. m.

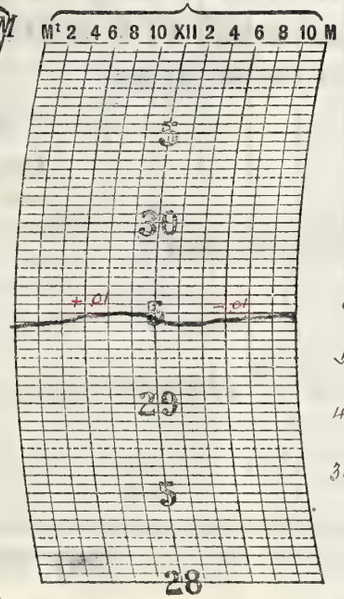
OBSERVATIONS AT ~~12 NOON~~ 12:38 PM (Local Mean Time.)

Dry temperature, 55.0 Wet temperature, 43.2
Dew-point, 28 R. humidity, 35 V. pressure, .15
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

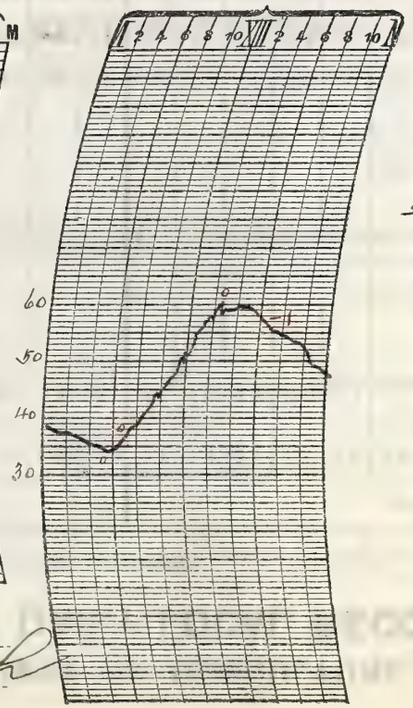
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and fine weather, with moonlight in the late night. Flood waters receded slowly from the low-lying sections of the city.

Prepared by H. S. Baker.
Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 21 1919, 191

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	43	42	42	42	40	39	39	38	39	39	39	39	37	37	37	37	36	36	34	32	30	29	28
State of weather: Nature of precipitation and time of beginning and ending														RB 1:55 RE 1:58										
Amounts of precipitation																								
Cloudiness and other conditions						L Cloudy					Cloudy													
Sunrise: Time, Character	5:43 Cloudy																				Sunset: Time, Character	5:54 Cloudy		
Moonrise	11:01 P.M.																				Moonset	8:00 a.m.		
Sunshine (in tenths of hours)						× 02	× 10	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	E	E	NE	NE	N	N	N	NE	NE	NE	NE	NE	NE	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	3	3	2	4	2	4	6	13	17	13	14	15	13	14	14	16	14	15	14	10	9	11	12	12
Maximum velocities (exceeding 29 miles) direction and time																								

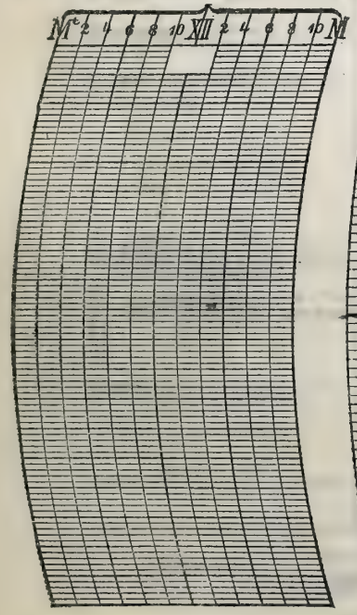
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	28	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 1.2 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 10
Prevailing wind direction, NE Total wind 250
Average hourly velocity, 10.4 Extreme velocity, 25
Maximum velocity, 20 Direction, NE
Time began, 8:39 am.
Reduced barometer, 30.57 7 a. m. 30.60 7 p. m.
River gage, 18.4 ft
Relative humidity, 80 7 a. m. 75 7 p. m.

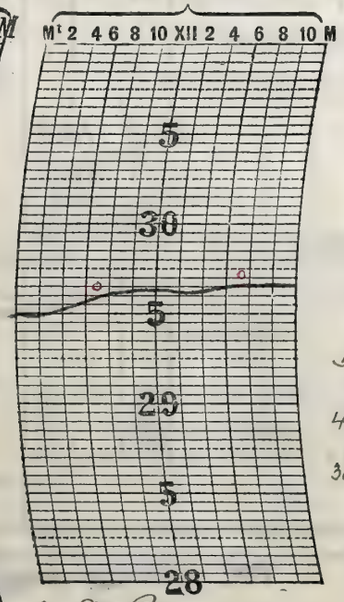
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 39.3 Wet temperature, 35.0
Dew-point, 29 R. humidity, 66 V. pressure, .157
Clouds: Amount, 10; Kind, St; Direction, N
Velocity of clouds (miles per hour)

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

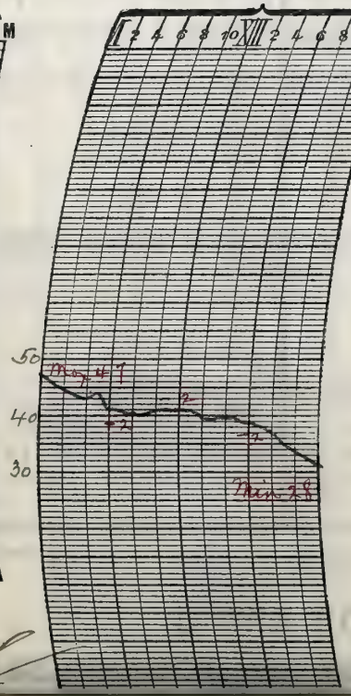
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



× From eye obs.

NOTES.

The vernal equinox commenced at 10:19 am.
Cool and Cloudy, but Clear after 9 pm.
Flood waters continued to recede but a large part of lowlands still under water.

Prepared by N. S. Baker
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 22 1919, 191

Time (local standard). 90 mer. normal time. 1

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	26	25	25	25	26	29	32	34	36	38	40	42	44	46	46	45	44	42	40	38	37	36	34
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Clear →																							
Sunshine (in tenths of hours)						0.32 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0	0.32 0.6						
Wind direction	NE	NE	NE	NE	NE	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	N	N	NE
Wind movement	13	12	11	12	10	8	9	15	14	11	13	12	11	10	10	10	10	8	5	6	6	8	7	8
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5.41; Character, Clear. Moonrise: 11:54 P.M.

Sunset: Time, 5.55; Character, Clear. Moonset: 8:42 am

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

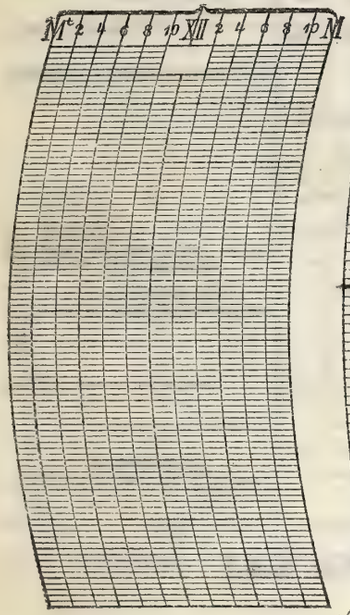
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	25	36	

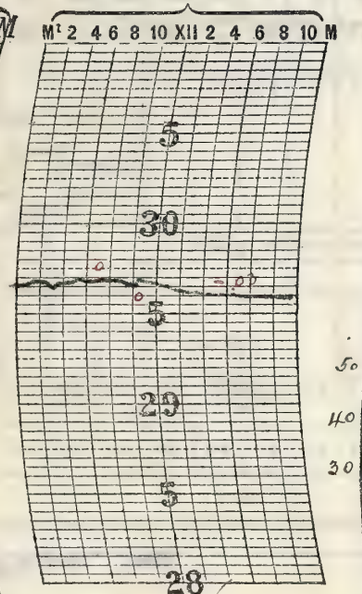
Total depth of snow for 24 hours ending 7 p. m., • inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 12.2 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind 239
Average hourly velocity, 10.0 Extreme velocity, 20
Maximum velocity, 19 Direction, NE
Time began, 7:34 am.
Reduced barometer, 30.[illegible] 7 a. m. 30.53 7 p. m.
River gage, 16.1 ft
Relative humidity, 71 7 a. m. 48 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 PM
(Local Mean Time.)
Dry temperature, 40.5 Wet temperature, 33.0
Dew-point, 21 R. humidity, 42 V. pressure, .108
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

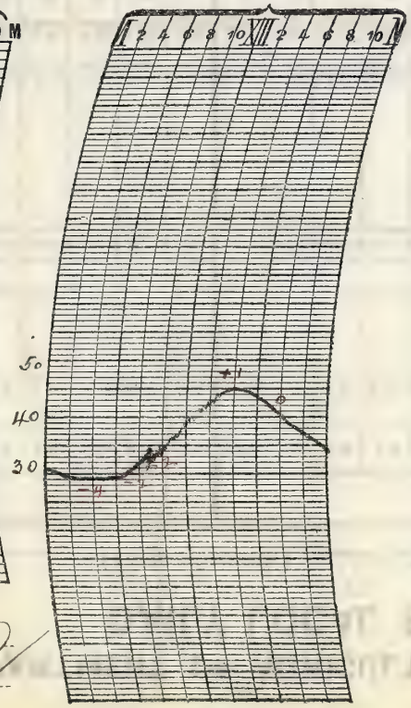
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear fine day.
Flood water receded quite rapidly during the day, probably falling below flood stage during the late afternoon.

Prepared by H. S. Baker
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 23 1919, 191

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	31	30	29	29	28	30	32	35	38	40	45	47	49	50	52	51	49	49	46	44	43	42	42
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Clear →																		
Sunshine (in tenths of hours)						0.35 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.53 0.4						
Wind direction	NE	NE	NE	NE	NE	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	NE	0	NE	NE
Wind movement	7	7	5	5	5	5	4	8	7	7	7	6	6	7	6	7	6	5	4	2	2	0	1	1
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5:39 Character, Clear
Moonrise: ---

Sunset: Time, 5:56 Character, Clear
Moonset: 9:28 am

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

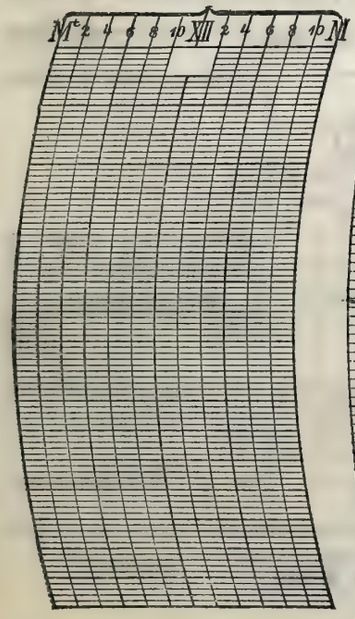
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	28	40	

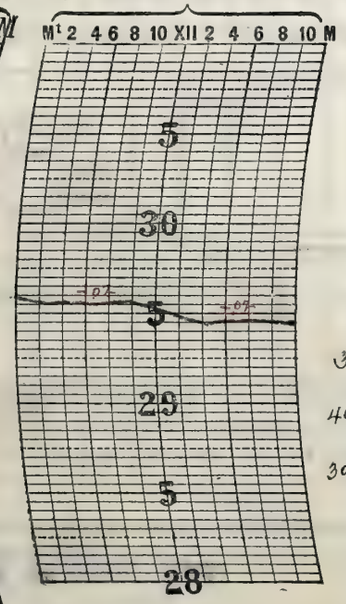
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 12.3 Possible sunshine, hours, 12.3
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind 120
Average hourly velocity, 5.0 Extreme velocity, 9
Maximum velocity, 9 Direction, NE
Time began, 1:50 p.m.
Reduced barometer, 30.49 7 a. m. 30.38.7 p. m.
River gage, 12.4 ft.
Relative humidity, 78, 7 a. m. 42, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 46.0 Wet temperature, 37.0
Dew-point, 24 R. humidity, 40 V. pressure, .124
Clouds: Amount, 1; Kind, Cst; Direction, W
Velocity of clouds (miles per hour)

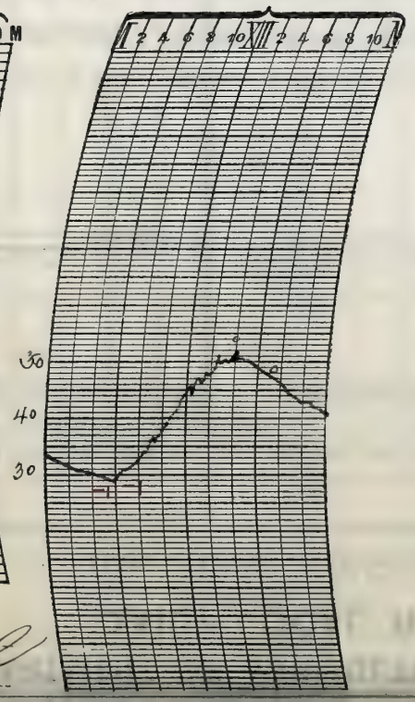
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and moderately warm weather, except fog in the early morning

Prepared by N. S. Baker.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 24 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	38	37	36	35	36	38	42	45	48	50	52	53	54	56	55	55	53	51	47	45	44	41	40
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←				Clear									→				
Sunshine (in tenths of hours)						0.37 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.75 0.2						
Wind direction	NE	NE	NE	E	E	E	E	E	E	E	E	NE	NE	E	E	E	E	E	E	E	E	E	E	E
Wind movement	3	3	3	3	1	2	3	4	5	6	6	8	7	7	6	5	7	7	6	8	8	8	7	6
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5:38 Character, Clear
Moonrise: 12:43 am

Sunset: Time, 5:57 Character, Clear
Moonset: 10:21 am

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

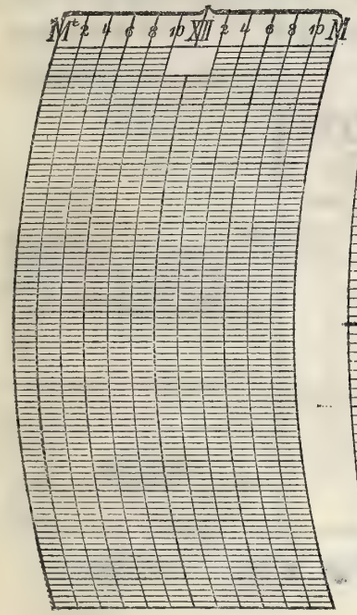
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
56	35	46	

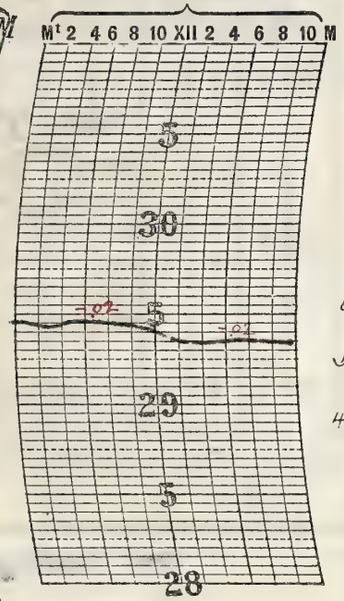
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., -0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, Last Quarter 2:34 p. m.
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.3 Possible sunshine, hours, 12.3
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind 129
Average hourly velocity, 5.4 Extreme velocity, 11
Maximum velocity, 11 Direction, E
Time began, 7:37 p. m.
Reduced barometer, 30.37, 7 a. m. 30.26, 7 p. m.
River gage, 9.1 ft.
Relative humidity, 71, 7 a. m. 43 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:35 P. M.
(Local Mean Time.)
Dry temperature, 53.0 Wet temperature, 39.8
Dew-point, 20 R. humidity, 26 V. pressure, 103
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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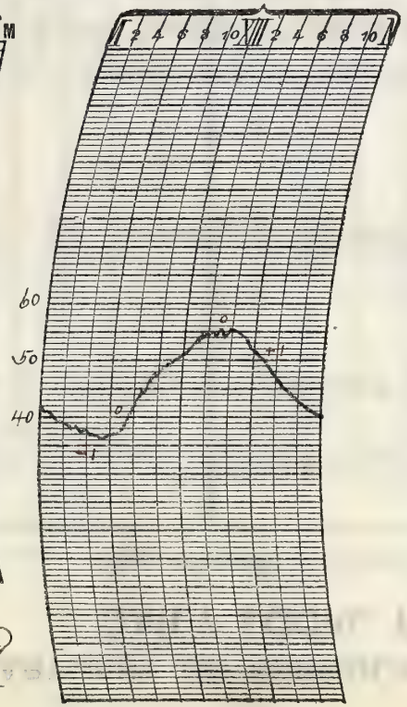


NOTES.

Except slight cloudiness in the afternoon, the weather was clear and fine.

Prepared by H. S. Baker.
Verified by O. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 25 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	38	38	36	35	34	36	41	46	55	59	64	65	66	67	69	67	64	63	62	60	59	59	57
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Pt. Cloudy						→	Clear	← Pt. Cloudy			Cloudy	←	Clear	→	Cloudy		
Sunrise: Time, 5:36 Character, Cloudy																					Sunset: Time, 5:58. Character, Cloudy			
Moonrise: 1:28 am																					Moonset: — — —			
Sunshine (in tenths of hours)						0	0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0						
Wind direction	E	E	E	E	E	E	E	E	E	SE	S	SE	SE	SE	SE	SE	SE	SE	S	S	S	S	SE	S
Wind movement	5	5	7	6	8	5	5	5	4	5	7	5	6	7	8	9	6	5	5	7	7	5	5	6
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

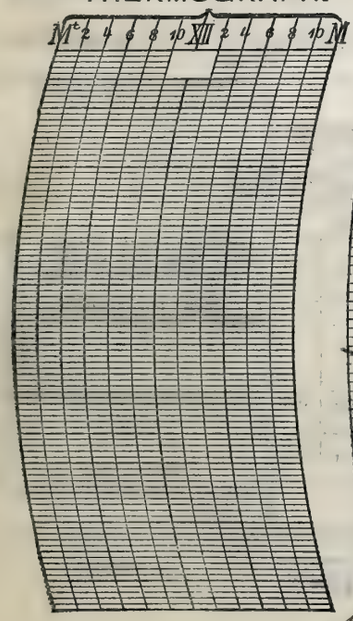
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	34	52	—

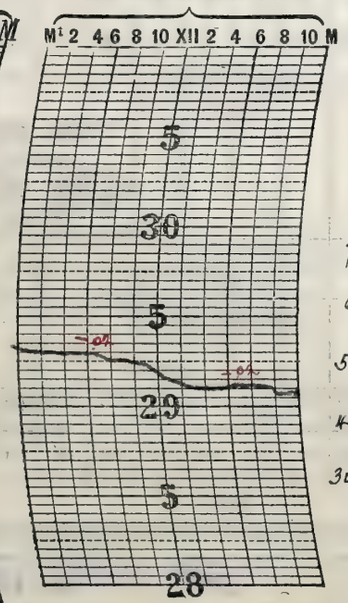
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 9.6 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 77
Prevailing wind direction, E-SE Total wind 143
Average hourly velocity, 6.0 Extreme velocity, 11
Maximum velocity, 11 Direction, SE
Time began, 3:17 p.m.
Reduced barometer, 30.21, 7 a. m. 30.02, 7 p. m.
River gage, 7.5 ft.
Relative humidity, 71, 7 a. m. 44 7 p. m.

OBSERVATIONS AT 12 ~~NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 64.3 Wet temperature, 49.0
Dew-point, 32 R. humidity, 30 V. pressure, .180
Clouds: Amount, 5; Kind, A St.; Direction, W
Velocity of clouds (miles per hour)

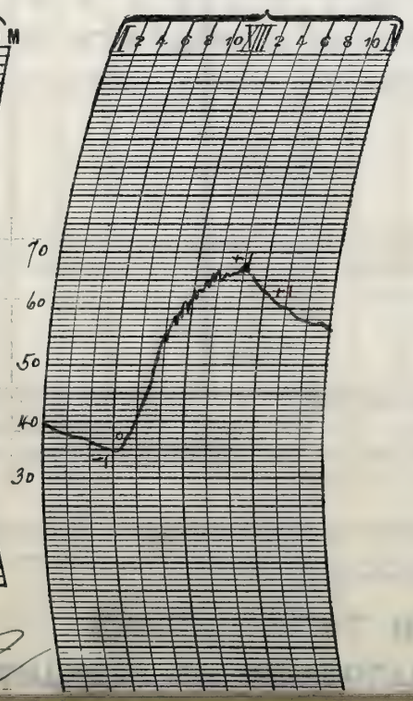
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The daylight hours were generally partly cloudy, but the night, as a rule was cloudy. The day as a whole was warm and quite pleasant.

Prepared by N. S. Baker
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 26 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	56	56	55	55	55	55	58	60	59	59	55
State of weather: Nature of precipitation and time of beginning and ending										RB	RE	RB
										9:50	10:25	11:25
Amounts of precipitation												
Cloudiness and other conditions								← Cloudy				
Sunrise: Time, Character	5:34 Cloudy											
Moonrise	2:09 am											
Sunshine (in tenths of hours)						0	0	0.1	0.2	0.1	0.7	0.3
Wind direction	S	S	S	S	SW	SW	SW	S	S	S	SW	SW
Wind movement	5	6	7	8	7	6	2	4	5	10	16	13
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	54	54	53	53	52	52	45	43	42	40	39
State of weather: Nature of precipitation and time of beginning and ending					RE		RB				RE	
					4:40		6:55				11.N	
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, Character									5:59 Cloudy			
Moonset									12:21 PM			
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	SW	SW	NW	S	S	S	SW	SW	NW	NW	NW	NW
Wind movement	7	4	1	4	5	5	5	11	16	19	18	20
Maximum velocities (exceeding 24 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	39	50	

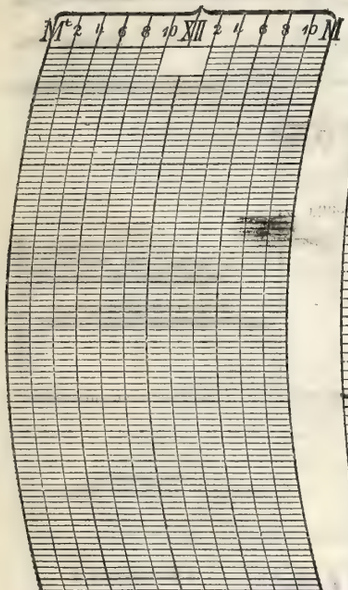
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 26 ins.
Total precipitation, midnight to midnight, 28 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.4 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 11
Prevailing wind direction, S Total wind 204
Average hourly velocity, 8.5 Extreme velocity, 28
Maximum velocity, 25 Direction, NW
Time began, 10:27 pm
Reduced barometer, 29.91, 7 a. m. 29.74, 7 p. m.
River gage, 6.1 ft.
Relative humidity, 55 7 a. m. 94 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

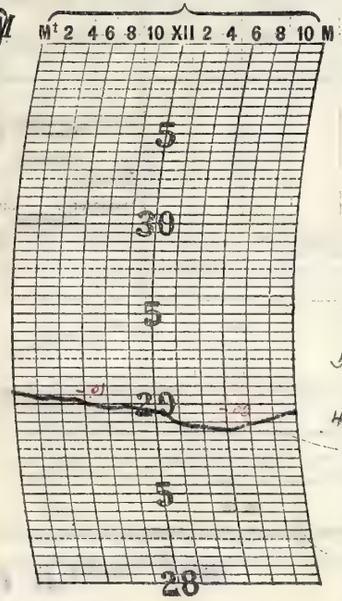
OBSERVATIONS AT ~~12 NOON~~ 12:38 PM.
(Local Mean Time.)

Dry temperature, 54.0 Wet temperature, 52.0
Dew-point, 50 R. humidity, 88 V. pressure, .360
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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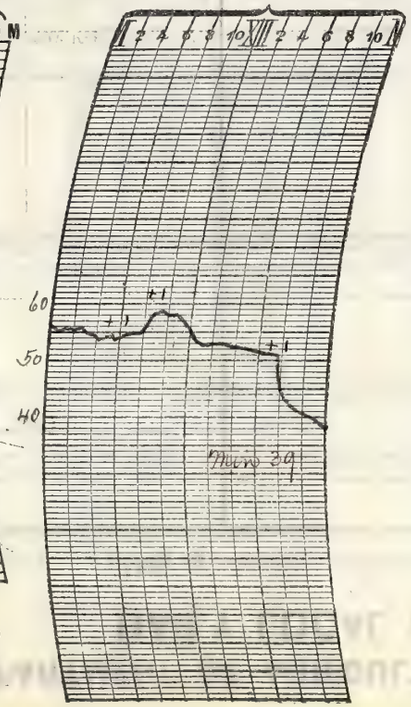


* Sunshining through detached clouds

NOTES.

Cloudy with light rain; moderate temperature during a considerable part of the day but the weather became decidedly cooler after the P.M. observation.

Prepared by H. S. Baker
Verified by O. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 27 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	33	32	32	31	31	31	31	32	33	34	34	35	36	37	35	33	31	30	29	29	28	27
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								← Cloudy →								← Pt. Cloudy →			← Clear →					
Sunshine (in tenths of hours)						0	0	0	0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.8						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	19	24	21	24	23	22	22	24	23	22	21	20	20	21	20	20	20	17	12	14	12	10	9	7
Maximum velocities (exceeding 49 miles) direction and time																								

Sunrise: Time, 5:33 Character, Cloudy
Moonrise: 2:46 am
Sunset: Time, 6:00 Character, Cloudy
Moonset: 1:27 PM

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

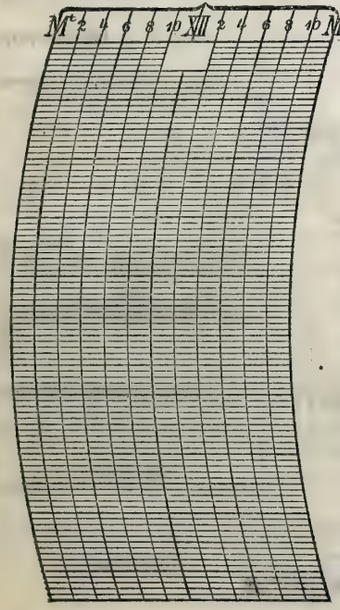
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	27	33	

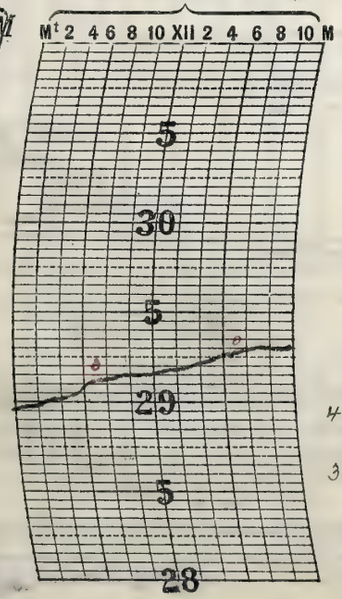
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 8.5 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 69
Prevailing wind direction, NW Total wind 447
Average hourly velocity, 18.6 Extreme velocity, 33
Maximum velocity, 27 Direction, NW
Time began, 6:49 am.
Reduced barometer, 30.05 7 a. m. 30.20 7 p. m.
River gage, 5.7 ft.
Relative humidity, 78 7 a. m. 87 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P M
(Local Mean Time.)
Dry temperature, 34.8 Wet temperature, 30.4
Dew-point, 23 R. humidity, 60 V. pressure, .118
Clouds: Amount, 9; Kind, St-Cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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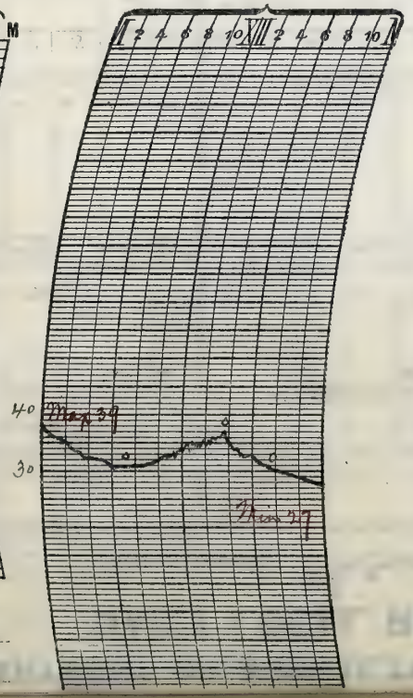


Prepared by H. S. Baker.
Verified by T. McDonough

* Sun shining through detached clouds.

NOTES.

Low temperatures prevailed and the weather was mostly cloudy, but clear skies obtained at night.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 28 1919, 191

Time (local standard) 90th mer. normal time

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	26	26	26	26	25	26	27	29	31	34	36
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear					
Sunshine (in tenths of hours)						0.48 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0
Wind direction	W	NW	NW	NW	NW	NW	NW	N	NW	NW	NW	NW
Wind movement	6	8	8	7	7	9	9	15	14	14	14	13

Sunrise: Time, 5:31; Character, Clear. Moonrise: 3:21 am

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	39	42	42	41	41	40	39	37	35	34	33
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.3 0.7	0.02 0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N
Wind movement	13	12	12	11	10	7	6	4	5	6	6	3

Sunset: Time, 6:01; Character, Clear. Moonset: 2:36 pm

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	25	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), Few

Actual sunshine, hours, 12.5 Possible sunshine, hours, 12.5

Per cent of possible sunshine, 100

Prevailing wind direction, NW Total wind 219

Average hourly velocity, 9.1 Extreme velocity, 20

Maximum velocity, 18 Direction, NW

Time began, 7:53 am

Reduced barometer, 30.37, 7 a. m. 30.36, 7 p. m.

River gage, 6.1 ft

Relative humidity, 82, 7 a. m. 42, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 1:23 P.M.
(Local Mean Time.)

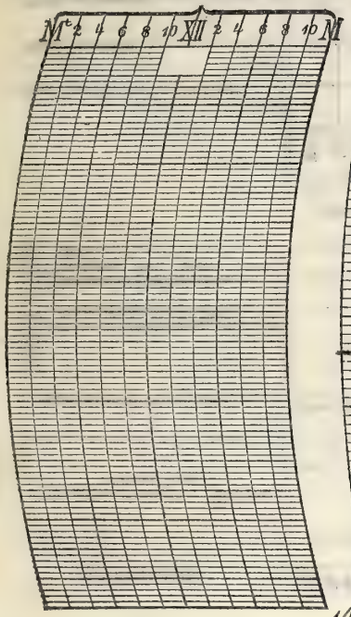
Dry temperature, 39.5 Wet temperature, 31.0

Dew-point, 15 R. humidity, 34 V. pressure, .081

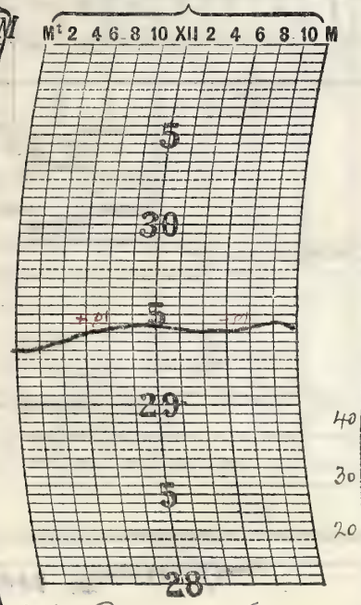
Clouds: Amount, Few; Kind, Cu; Direction, NW.

Velocity of clouds (miles per hour)

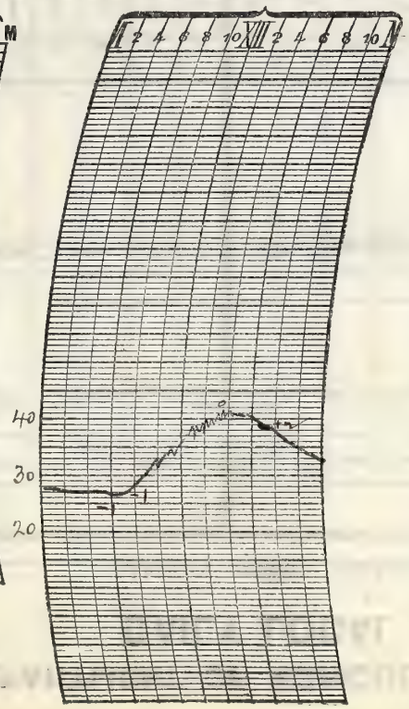
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear, cool, and pleasant weather.

Prepared by H. J. Baur.

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 29 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	32	32	31	31	30	32	41	44	46	48	49
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						L — Clear —					L	
Sunrise: Time, Character,	5:29 Clear											
Moonrise:	3:53 am											
Sunshine (in tenths of hours)						0.5 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0
Wind direction	N	SW	SW	SW	SW	SW	SW	SW	W	N	NE	N
Wind movement	2	4	4	5	5	6	7	8	8	8	7	4
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	51	51	51	51	49	48	47	46	44	43	42
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Pt. Cloudy →			L — Cloudy			→		
Sunrise: Time, Character,									Sunset: Time, Character, 6:02 Cloudy			
Moonrise:									Moonset: 3:47 PM.			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.3	0					
Wind direction	N	NE	NE	E	E	E	E	E	E	SE	SE	SE
Wind movement	4	6	4	5	6	5	6	6	6	6	5	6
Maximum velocities (exceeding 29 miles) direction and time												

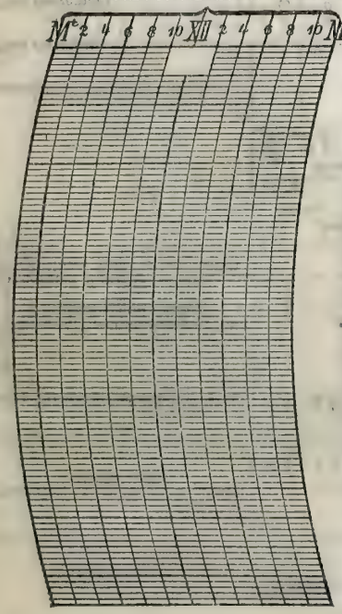
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	30	41	–

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.8 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 94
Prevailing wind direction, SW Total wind 133
Average hourly velocity, 5.5 Extreme velocity, 11
Maximum velocity, 11 Direction, N
Time began, 9:20 a.m.
Reduced barometer, 30.41 7 a. m. 30.28 7, p. m.
River gage, 5.5
Relative humidity, 70 7 a. m. 44 7 p. m.

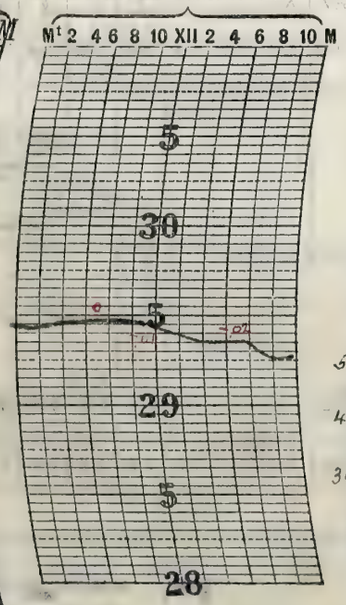
OBSERVATIONS AT ~~12 NOON~~ 12:38 PM
(Local Mean Time.)
Dry temperature, 50.0 Wet temperature, 39.2
Dew-point, 24 R. humidity, 34 V. pressure, 124
Clouds: Amount, 2; Kind, ~~cs~~ acu; Direction NW
Velocity of clouds (miles per hour)

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

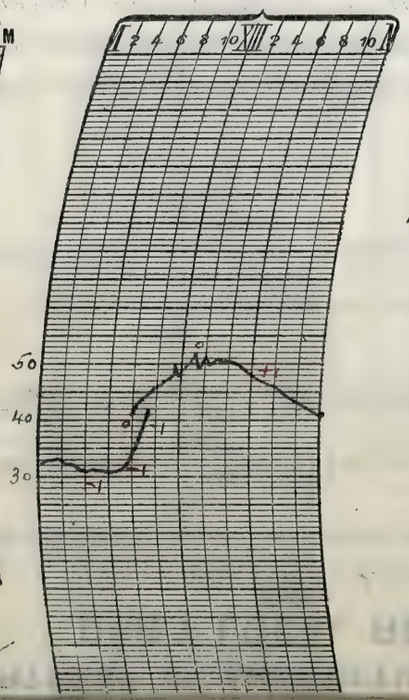
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cool in the early morning, but moderate temperature obtaining during much of the day. Increasing cloudiness from the morning observation but cloudy at night. The weather was generally fine and pleasant.

Prepared by N. S. Baker

Verified by P. M. O'Donnough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 30 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	40	37	35	34	34	34	35	34	35	34	36
State of weather: Nature of precipitation and time of beginning and ending		RB 1:05			RE H.N			RB 7:50	RE 8:10			
Amounts of precipitation												
Cloudiness and other conditions	← Cloudy →											
Sunrise: Time, Character,	5:28 Cloudy											
Moonrise:	4:52 am											
Sunshine (in tenths of hours)						0	0	0	0	0	⊗ 0.2	⊗ 0.2
Wind direction	E	E	E	E	E	E	SE	E	NE	NE	NE	NE
Wind movement	7	12	13	13	10	11	10	10	14	13	13	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	37	36	35	35	35	36	35	34	33	32	31
State of weather: Nature of precipitation and time of beginning and ending								SM B 7:12				SM E H.N.
Amounts of precipitation												
Cloudiness and other conditions	← Cloudy →											
Sunset: Time, Character,									6:03 Cloudy			
Moonset:									5:00 P.M.			
Sunshine (in tenths of hours)	⊗ 1.0	⊗ 1.0	⊗ 0.1	0	0	0	0					
Wind direction	NE	NE	NE	NE	N	N	N	N	N	N	N	N
Wind movement	11	12	10	9	7	6	7	10	10	11	13	11

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

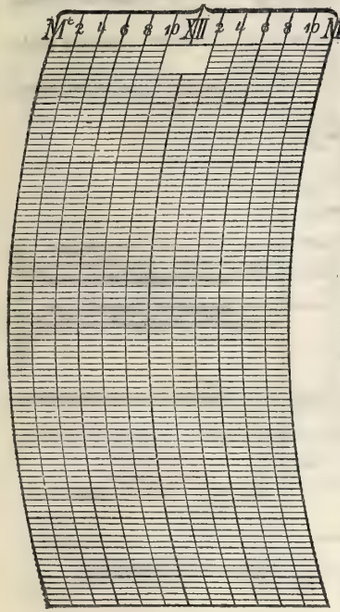
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	31	36	–

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.5 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 20
Prevailing wind direction, N-NE Total wind 255
Average hourly velocity, 10.6 Extreme velocity, 21
Maximum velocity, 18 Direction, N.E
Time began, 10:47 p.m.
Reduced barometer, 30.10 7 a. m. 30.18 7 p. m.
River gage, 5.2 feet
Relative humidity, 88 7 a. m. 85 7 p. m.

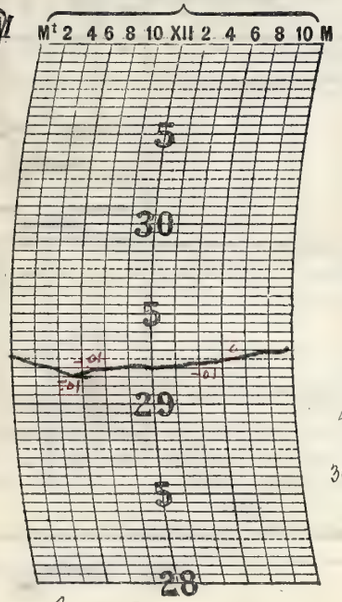
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 35.6 Wet temperature, 34.0
Dew-point, 31 R. humidity, 86 V. pressure, .172
Clouds: Amount, 9; Kind, Stcu; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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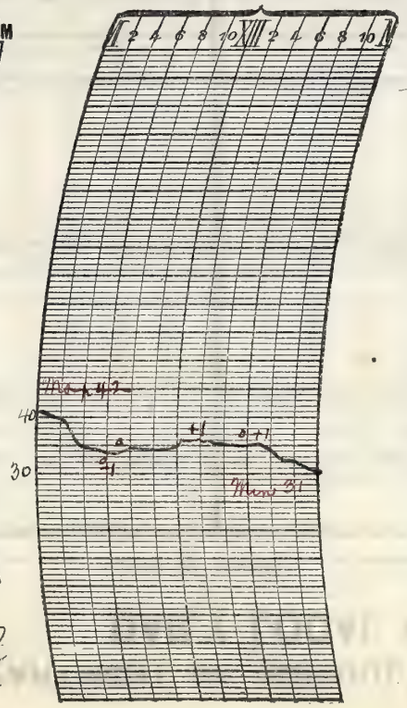


Prepared by A. S. Baker.
Verified by P. McDonough

8—486

⊗ Sun shining through detached clouds.

NOTES.

Special "Summertime" observations began with this date.

Cool, cloudy and unpleasant weather. Light rain occurred in the early morning and there were intermittent snow flurries at night.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 31 1913, 191

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	29	29	28	28	28	29	29	30	31	33	35	36	37	36	36	35	34	31	30	29	28	27	26
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear →			Pt. cloudy							Clear							
Sunshine (in tenths of hours)						0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0					
Wind direction	N	N	N	N	N	NW	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	10	9	10	9	13	12	15	14	15	17	16	16	16	17	17	15	15	12	9	7	9	9	10	13

Sunrise: Time, 5:26; Character, Cloudy. Moonrise: 4:38 am

Sunset: Time, 6.04; Character, Cloudy. Moonset: 6:15 P.M.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	26	32	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear. Moon phase, Full Moon 3:05 p.m.

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 11.6. Possible sunshine, hours, 12.6

Per cent of possible sunshine, 92

Prevailing wind direction, N. Total wind 305

Average hourly velocity, 12.7. Extreme velocity, 26

Maximum velocity, 23. Direction, N.W.

Time began, 2:20 p.m.

Reduced barometer, 30.30, 7 a. m. 30.30, 7 p. m.

River gage, 4.9 ft.

Relative humidity, 78, 7 a. m. 74, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

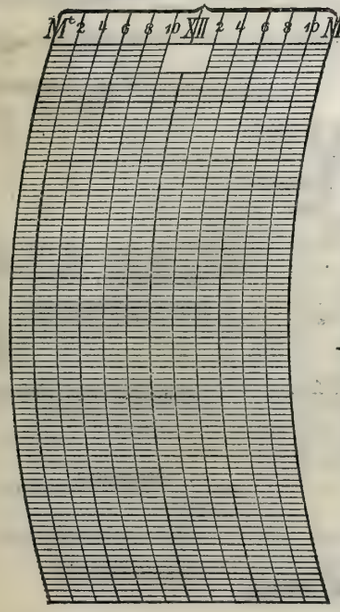
Dry temperature, 34.4. Wet temperature, 31.2

Dew-point, 27. R. humidity, 70. V. pressure, .143

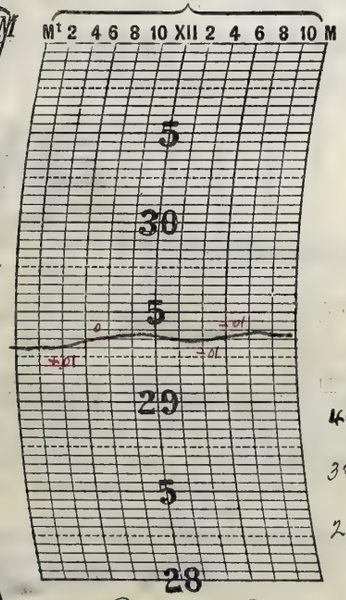
Clouds: Amount, 4; Kind, Cu.; Direction, N.

Velocity of clouds (miles per hour)

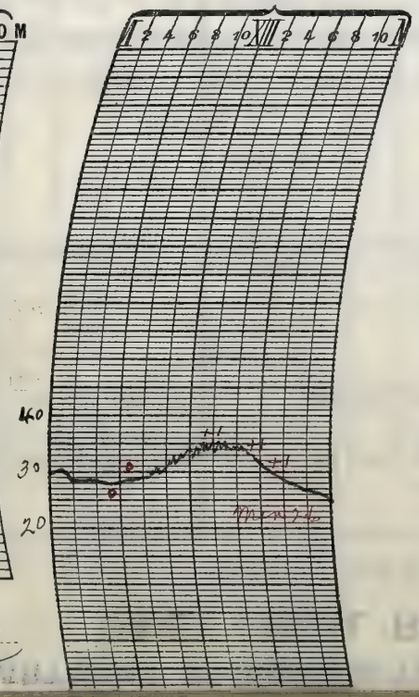
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear, cool, and rather unpleasant weather.

Prepared by N. S. Baker

Verified by R. McDonough

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) April 1, 1919

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	23	22	21	21	20	22	23	25	27	29	32	34	36	39	37	36	35	32	30	29	28	27	27
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Clear →																							
Sunshine (in tenths of hours)						0.60 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2 0.8	0.10 0					
Wind direction	NW	N	N	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	13	11	10	11	10	10	10	13	14	13	14	14	17	16	16	17	16	13	12	12	10	9	9	7

Sunrise: Time, 5:24; Character, Clear. Moonrise: 5:34 am.

Sunset: Time, 6.06; Character, Clear. Moonset: 7:32 pm

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	19	29	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.7 Possible sunshine, hours, 12.7
Per cent of possible sunshine, 100
Prevailing wind direction, NW Total wind 297
Average hourly velocity, 12.4 Extreme velocity, 22
Maximum velocity, 21 Direction, N.W.
Time began, 2:14 p.m.
Reduced barometer, 30.33, 7 a. m. 30.22, 7, p. m.
River gage, 4.6 ft.
Relative humidity, 78, 7 a. m. 79, 7 p. m.

Maximum velocities (exceeding 29 miles) direction and time

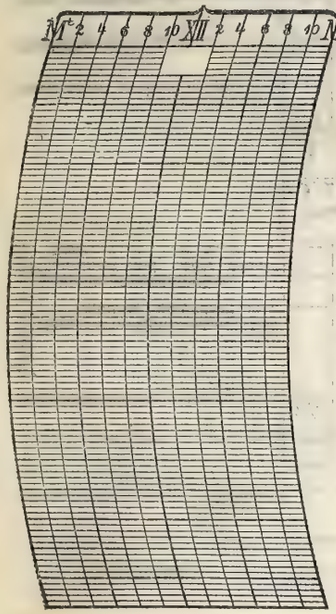
Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

OBSERVATIONS AT ~~12 NOON.~~ 12:38 PM
(Local Mean Time.)

Dry temperature, 33.2 Wet temperature, 26.7
Dew-point, 12 R. humidity, 38 V. pressure, .070
Clouds: Amount, 1; Kind, cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



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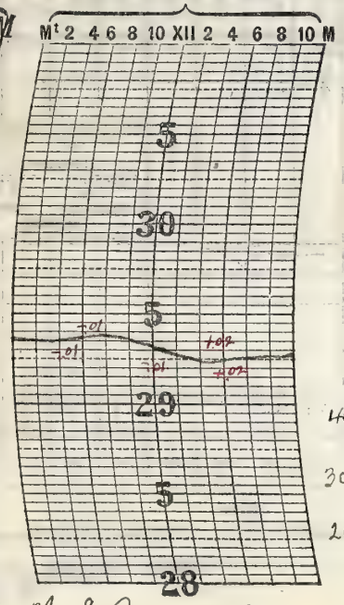
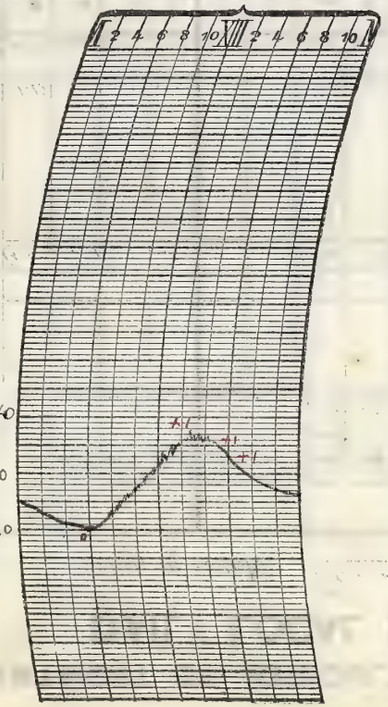


THERMOGRAPH.



NOTES.

Clear, but unpleasantly cool weather.

Prepared by H. S. Baker.
Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 2 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	25	25	25	25	26	28	32	36	40	43	46	47	49	49	52	51	50	48	46	45	43	43	42
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Clear						→	×		Pt	Cloudy								
Sunshine (in tenths of hours)						0.62 0	0.6× 0.4	× 1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0					
Wind direction	NW	NW	N	W	N	W	W	NW	NE	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	SW	SW	S
Wind movement	5	5	4	3	2	4	3	2	3	5	7	6	8	8	10	9	10	7	4	5	5	7	6	6
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5:23 Character, Clear
Moonrise: 6:13 a.m.
Sunset: Time, 6:07 Character, Cloudy
Moonset: 8:46 P.m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

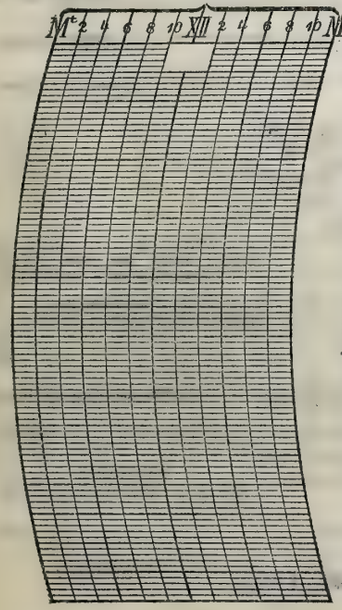
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	25	38	

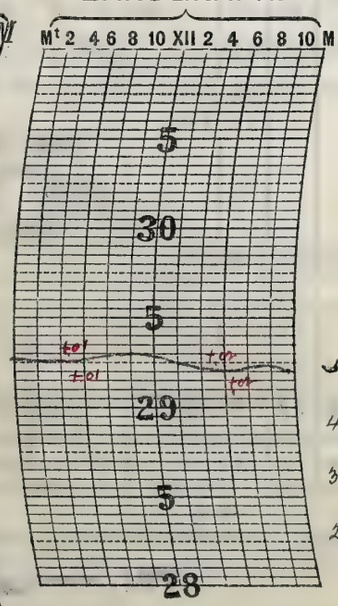
Total depth of snow for 24 hours ending 7 p. m., 0 inches
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.3 Possible sunshine, hours, 12.7
Per cent of possible sunshine, 97
Prevailing wind direction, SW. Total wind 134
Average hourly velocity, 5.6 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 2:40 p.m.
Reduced barometer, 30.24 7 a. m. 30.17 7 p. m.
River gage, 4.3 ft
Relative humidity, 74 7 a. m. 48 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 46.0 Wet temperature, 36.0
Dew-point, 20 R. humidity, 34 V. pressure, 10.3
Clouds: Amount, 3; Kind, Ci St a St; Direction, W
Velocity of clouds (miles per hour)

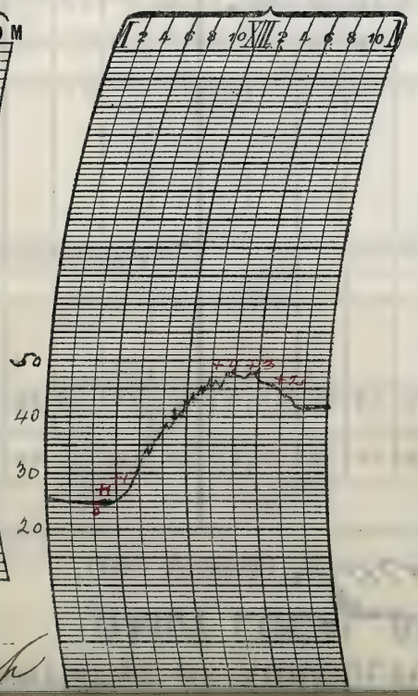
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



× From eye obs.

NOTES.

Tipping bucket raingage exposed on roof at 1:30 pm
Pt cloudy and clear in the forenoon, but rising temperature and increasing cloudiness in the afternoon - Day fine and pleasant.

Prepared by N. S. Barey
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) APR 3 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	41	42	42	43	44	43	43	44	45	45	45
State of weather: Nature of precipitation and time of beginning and ending						RB 5:25	–	–	–	RE 9:50	RB 10:55	–
Amounts of precipitation						T	T	.01	.01	T	T	.02
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	5:21 Cloudy											
Moonrise:	6:58 a.m.											
Sunshine (in tenths of hours)						0	0	0	0	✗ 0.3	✗ 0.8	0
Wind direction	S	S	W	SW	SW	S	S	SW	S	S	S	SW
Wind movement	7	7	6	4	1	4	5	5	9	11	18	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	46	47	47	47	47	47	47	46	46	47	46
State of weather: Nature of precipitation and time of beginning and ending	RE 12:05 RB 12:25	RE 1:10			RB 4:10	–	RE 6:20					
Amounts of precipitation	T	T			.02	.01	T					
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									6:08 Cloudy			
Moonset:									9:58 P.M.			
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	11	13	10	10	8	9	8	8	8	6	8

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

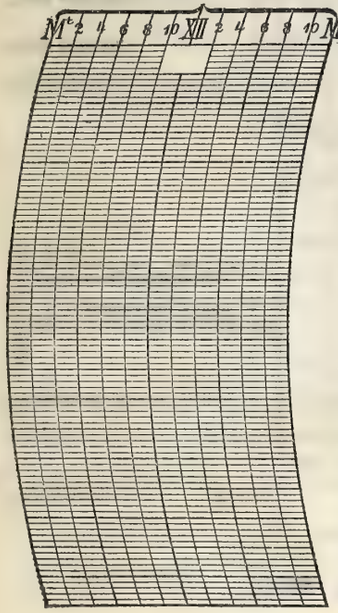
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	41	44	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .07 ins.
Total precipitation, midnight to midnight, .07 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.1 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 9
Prevailing wind direction, SW. Total wind 201
Average hourly velocity, 8.4 Extreme velocity, 22
Maximum velocity, 18 Direction, S
Time began, 10:28 am.
Reduced barometer, 30.10, 7 a. m. 29.99, 7 p. m.
River gage, 4.3 ft.
Relative humidity, 76 7 a. m. 92 7 p. m.

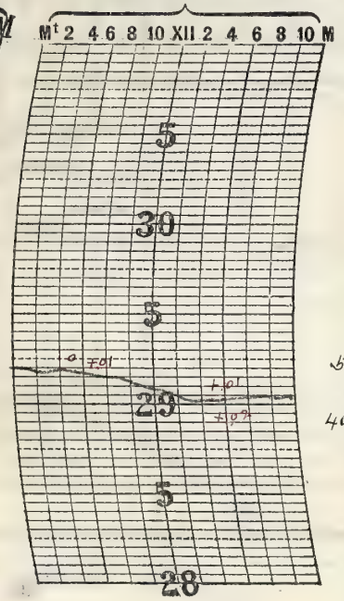
OBSERVATIONS AT ~~12 NOON~~ 1:38 PM
(Local Mean Time.)

Dry temperature, 44.8 Wet temperature, 43.0
Dew-point, 41 R. humidity, 87 V. pressure, .256
Clouds: Amount, 10; Kind, St; Direction, S.
Velocity of clouds (miles per hour)

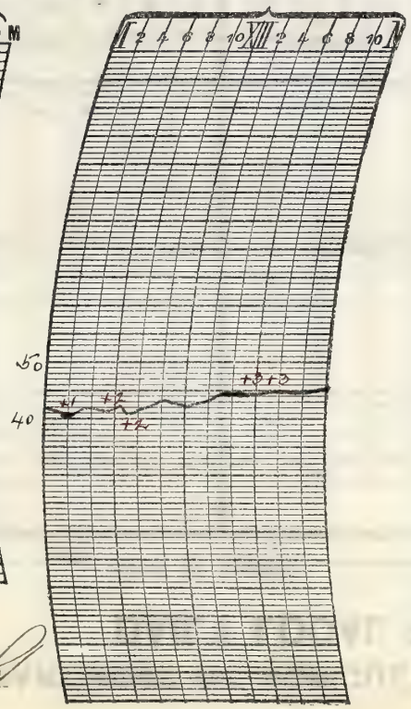
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



✗ Sunshining through detached clouds.

NOTES.

Moderate temperature and Cloudy, with intermittent showers.

Prepared by N. S. Barger

Verified by P. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) APR. 4 1919, 191

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	46	46	46	45	44	46	47	48	48	49	51	52	53	52	55	54	54	53	50	48	47	47	47	45
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy										Pt Cloudy			Clear				
Sunshine (in tenths of hours)						0	0	0	⊗ 0.1	⊗ 0.2	⊗ 0.9	⊗ 1.0	⊗ 1.0	⊗ 0.7	⊗ 1.0	1.0	0.5	0	0					
Wind direction	SW	SW	SW	W	W	W	NW	NW	NW	SW	W	NW	W	NW	NW	W	NW	NW	NW	N	N	N	N	N
Wind movement	7	6	4	2	3	4	4	3	4	6	5	5	8	7	6	8	7	8	6	3	3	2	1	1
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5:19 Character, Cloudy
Moonrise: 7:50 am

Sunset: Time, 6:09 Character, Cloudy
Moonset: 11:05 P.M.

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

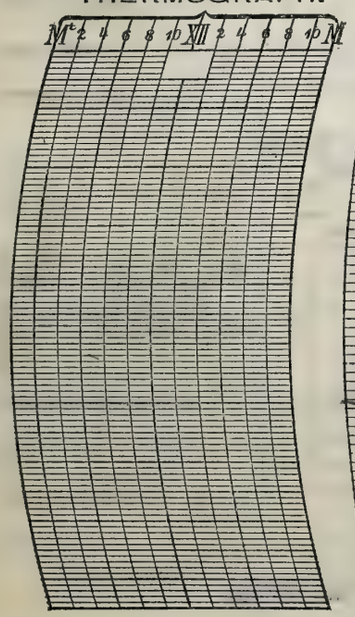
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	44	50	

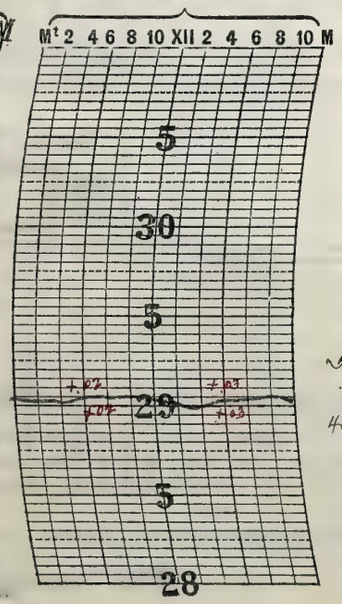
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 6.4 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 50
Prevailing wind direction, NW Total wind 113
Average hourly velocity, 4.7 Extreme velocity, 11
Maximum velocity, 11 Direction, N.W
Time began, 4:11 p. m.
Reduced barometer, 29.98 7 a. m. 29.96 7 p. m.
River gage, 3.9 ft.
Relative humidity, 87 7 a. m. 69 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 52.8 Wet temperature, 46.8
Dew-point, 41 R. humidity, 64 V. pressure, .256
Clouds: Amount, 10; Kind, Stcu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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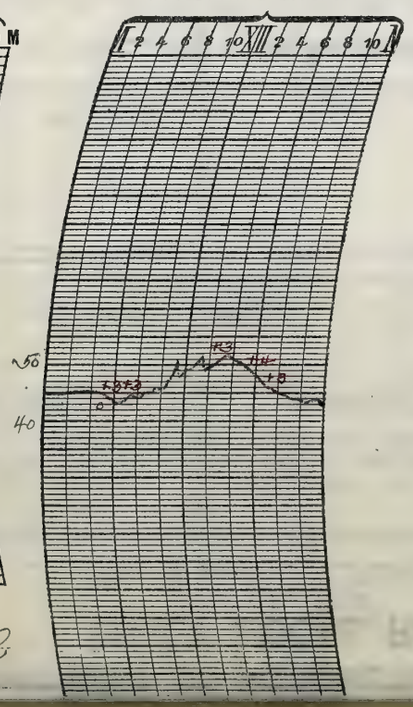


⊗ Sun shining through detached clouds.

NOTES.

Day generally cloudy but mostly partly cloudy in the late afternoon and clear at night, with slight moonlight. Moderate temperatures obtained.

Prepared by A. S. Baxter
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) APR 5 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	44	44	43	42	43	47	49	52	56	59	61	62	64	65	66	66	64	62	59	57	57	57	56
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear		Pt Cldy		Cloudy			Pt. Cloudy				Clear			Pt Cloudy				
Sunrise: Time, 5:17 Character, Cloudy																					Sunset: Time, 6:10 Character, Cloudy			
Moonrise: 8:47 am																					Moonset: — — —			
Sunshine (in tenths of hours)						0	0.8	1.0	1.0	1.0*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0					
Wind direction	E	S	S	S	S	SW	S	S	SW	S	S	SW	SW	SW	SW	SW	S	S	S	S	S	S	S	S
Wind movement	1	3	3	4	5	5	7	9	11	9	13	13	15	15	15	18	13	14	10	10	12	14	13	13
Maximum velocities (exceeding 29 miles) direction and time																								

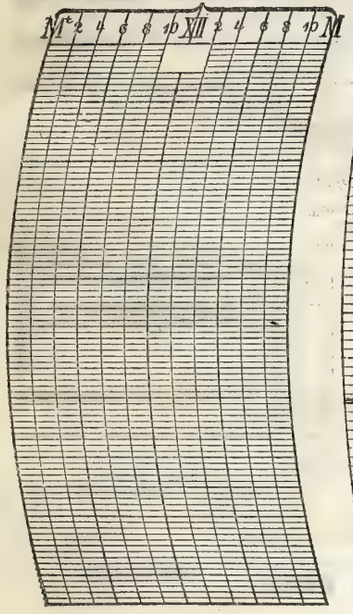
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
66	42	54	

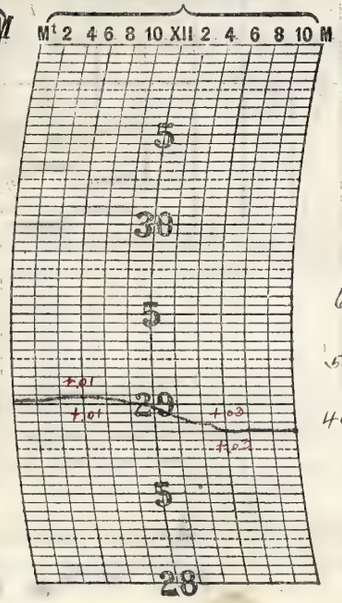
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 11.4 Possible sunshine, hours, 12.9
Per cent of possible sunshine, 88
Prevailing wind direction, S Total wind 245
Average hourly velocity, 10.2 Extreme velocity, 23
Maximum velocity, 20 Direction, SW.
Time began, 3:54 p.m
Reduced barometer, 29.98, 7 a. m. 29.80, 7 p. m.
River gage, 3.8 ft
Relative humidity, 74, 7 a. m. 50 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 PM
(Local Mean Time.)
Dry temperature, 63.0 Wet temperature, 50.8
Dew-point, 39 R. humidity, 41 V. pressure, .237
Clouds: Amount, 5; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

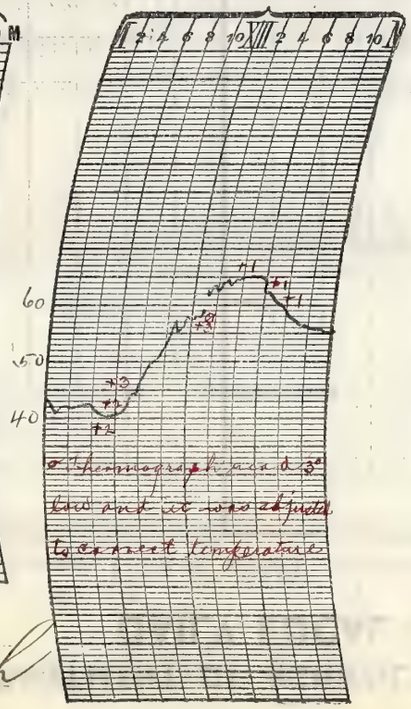
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



* Sun shining through detached clouds.

NOTES.

Generally partly cloudy and warm weather, with slight moonlight at night.

Prepared by A. S. Baker
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 6 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	56	55	56	54	55	56	60	63	66	66	69
State of weather: Nature of precipitation and time of beginning and ending					RB 4:30	RE 5:10						
Amounts of precipitation					T	T						
Cloudiness and other conditions							← Pt.					
Sunrise: Time, Character,	5:16 Cloudy											
Moonrise:	9:49 am											
Sunshine (in tenths of hours)						0	0.8	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	17	18	17	15	17	14	13	13	19	19	18	15
Maximum velocities (exceeding 25 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	72	72	73	73	71	70	68	66	64	64	63
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy →					
Sunset: Time, Character,									6:11 Cloudy			
Moonset:									12:02 a.m.			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.6	0					
Wind direction	SW	SW	SW	SW	SW	SW	S	S	S	S	S	S
Wind movement	13	16	17	15	12	8	7	5	6	5	6	7
Maximum velocities (exceeding 25 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

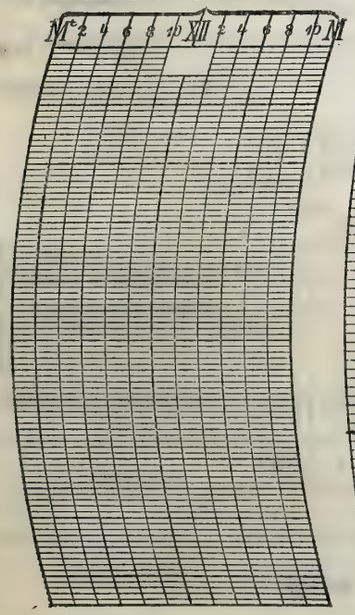
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
74	54	64	–

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.4 Possible sunshine, hours, 12.9
Per cent of possible sunshine, 88
Prevailing wind direction, SW Total wind 312
Average hourly velocity, 13.0 Extreme velocity, 25
Maximum velocity, 23 Direction, SW
Time began, 8:30 am.
Reduced barometer, 29.78 7 a. m. 29.72 7 p. m.
River gage, 3.7 ft
Relative humidity, 63 7 a. m. 52 7 p. m.

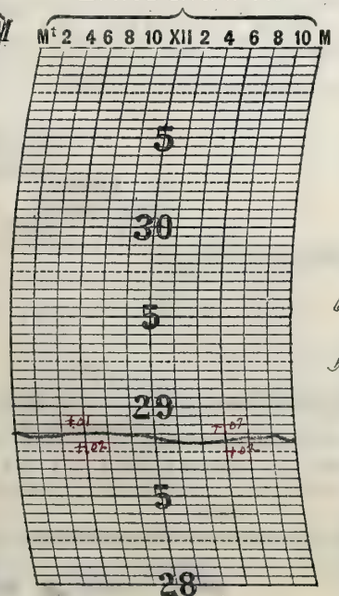
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 70.0 Wet temperature, 58.8
Dew-point, 51 R. humidity, 51 V. pressure, 373
Clouds: Amount, 6; Kind, A St.; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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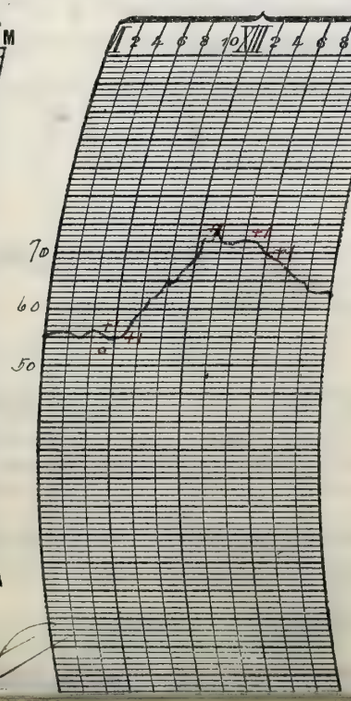


NOTES.

Light rain in the early morning. day mostly partly cloudy and quite warm. slight moonlight at night.

Lightning on the western horizon during the night.

Prepared by N. S. Baker

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 7 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	58	58	59	57	60	62	66	69	72	73	75	76	77	76	75	75	73	71	69	67	66	65	55
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←	—	—	Pt.	Cloudy	—	—	—	—	—	—	—	—	Clear	—	—	—	Pt Cloudy
Sunshine (in tenths of hours)						0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.2 0					
Wind direction	S	S	SE	SE	SE	S	S	S	SW	SW	SW	SW	SW	SW	S	SW	S	S	S	S	S	S	S	* N
Wind movement	7	3	2	6	3	8	9	14	16	19	18	14	16	19	17	17	16	11	7	6	6	6	8	9
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5:14 Character, Cloudy
Moonrise: — — —
Sunset: Time, 6:12 Character, Clear
Moonset: 12:51 am

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

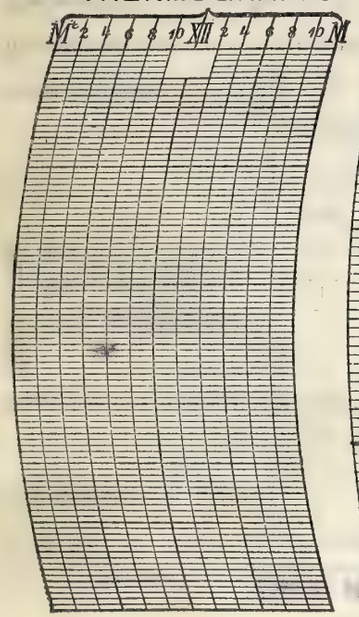
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
77	55	66	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase, First Quarter 6:39 am
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.5 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 88
Prevailing wind direction, S Total wind 257
Average hourly velocity, 10.7 Extreme velocity, 26
Maximum velocity, 23 Direction, S.W
Time began, 9:54 am.
Reduced barometer, 29.83, 7 a. m. 29.87, 7 p. m.
River gage, 3.7 ft.
Relative humidity, 63, 7 a. m. 41, 7 p. m.

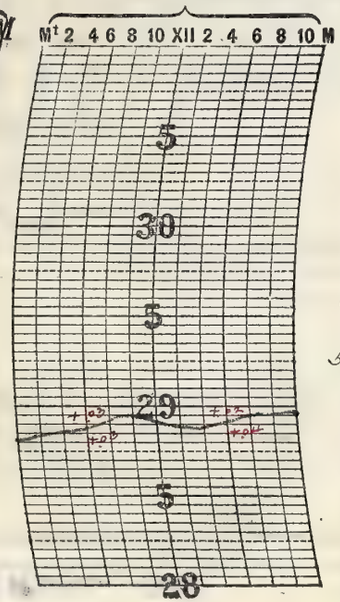
OBSERVATIONS AT ~~12 NOON~~ 12.38 P.M.
(Local Mean Time.)

Dry temperature, 75.0 Wet temperature, 59.2
Dew-point, 47 R. humidity, 38 V. pressure, .322
Clouds: Amount, 4; Kind, a St.; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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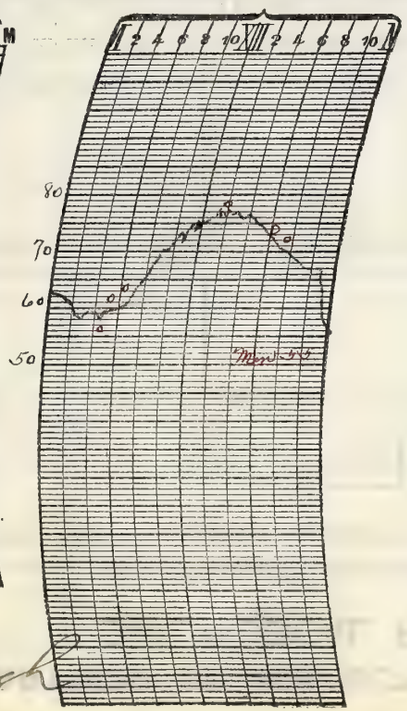


* Interpolated

NOTES.

Partly Cloudy and fine weather
Moon shone at intervals through
Clouds.

Prepared by A. S. Barry.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) APR 8 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	52	52	52	57	57	55	63	64	69	73	73	74	76	73	71	70	70	68	65	64	61	60	59
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Cloudy						Pt.	Cloudy											
Sunshine (in tenths of hours)						0	0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.4	0					
Wind direction	*N	*N	*N	*N	*N	*S	*S	S	SW	SW	SW	W	W	W	W	W	W	W	W	W	W	SW	W	NW
Wind movement	8	9	6	6	6	3	3	5	10	11	15	17	18	15	15	15	12	8	6	3	4	4	3	5

Sunrise: Time, 5:13; Character, Cloudy. Moonrise: —

Sunset: Time, 6:13; Character, Cloudy. Moonset: 1:33 am

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	51	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy. Moon phase, ____

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 9.8. Possible sunshine, hours, 13.0

Per cent of possible sunshine, 75

Prevailing wind direction, W. Total wind 207

Average hourly velocity, 8.6. Extreme velocity, 24

Maximum velocity, 21. Direction, W

Time began, 12:20 p.m.

Reduced barometer, 30.00, 7 a. m. 30.10, 7, p. m.

River gage, 3.6 ft.

Relative humidity, 75, 7 a. m. 35, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

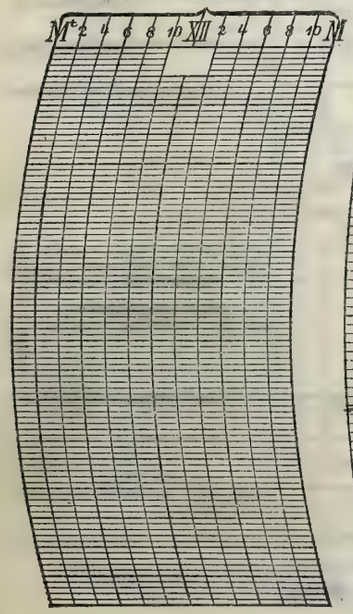
Dry temperature, 72.8. Wet temperature, 57.4

Dew-point, 28. R. humidity, 18. V. pressure, .150

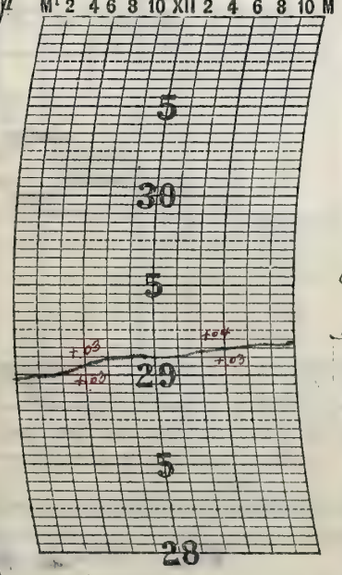
Clouds: Amount, 4; Kind, cst.; Direction, N.W.

Velocity of clouds (miles per hour)

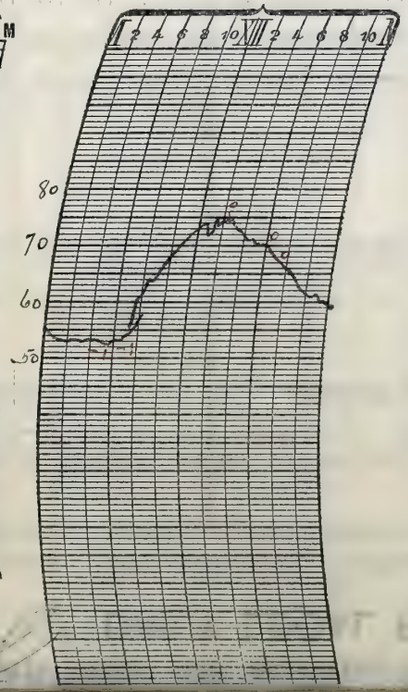
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



* Interpolated

NOTES.

Warm and partly cloudy weather with moonlight at night. A solar halo of 22° radius was observed at 3:10 p.m.

Prepared by N. S. Baker

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 9 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	54	53	52	53	50	52	54	59	63	66	71
State of weather. Nature of precipitation and time of beginning and ending						RD 5:40	RE 6:25					
Amounts of precipitation						T	.01					
Cloudiness and other conditions						Cloudy		Clear				
Sunrise: Time, 5:11 Character, Cloudy												
Moonrise: 1:02 P.M.												
Sunshine (in tenths of hours)						0	0	0.8	1.0	1.0	1.0	1.0
Wind direction	N	N	NE	NE	NE	NE	E	E	E	E	E	SE
Wind movement	7	7	8	7	9	9	11	11	15	15	10	8
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	78	80	79	78	62	66	67	66	64	61	59
State of weather. Nature of precipitation and time of beginning and ending						RD 5:23	RE 6:10					
Amounts of precipitation						.27	T					
Cloudiness and other conditions						Cloudy						
Sunset: Time, 6:14 Character, Cloudy												
Moonset: 2:08 am												
Sunshine (in tenths of hours)	+1.0	+1.0	+1.0	+1.0	+0.2	0	0					
Wind direction	SE	SE	S	S	S	SW	S	S	S	E	E	E
Wind movement	10	10	12	12	12	17	12	5	4	5	8	6
Maximum velocities (exceeding 29 miles) direction and time						3/6 SW 5:23						

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	50	65	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .01 ins.; to 7 p. m., .27 ins.

Total precipitation, midnight to midnight, .28 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 9.0 Possible sunshine, hours, 13.0

Per cent of possible sunshine, 69

Prevailing wind direction, E Total wind 230

Average hourly velocity, 9.6 Extreme velocity, 45

Maximum velocity, 36 Direction, SW

Time began, 5:23 p.m.

Reduced barometer, 30.15 7 a. m. 29.86 7 p. m.

River gage, 3.5 ft.

Relative humidity, 70 7 a. m. 78 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 pm
(Local Mean Time.)

Dry temperature, 73.2 Wet temperature, 60.8

Dew-point, 53 R. humidity, 49 (a St.) V. pressure, .402 (W)

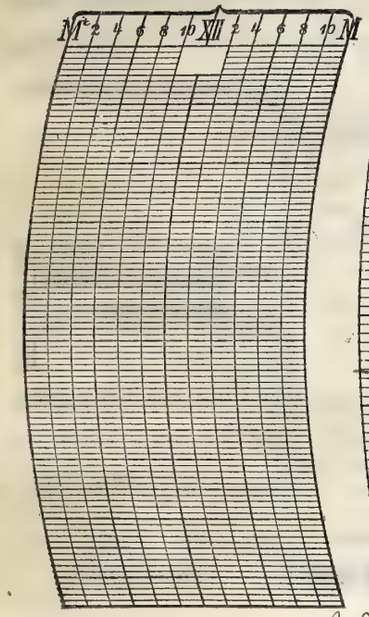
Clouds: Amount, 8 1; Kind, St. Cu Direction, SE

Velocity of clouds (miles per hour)

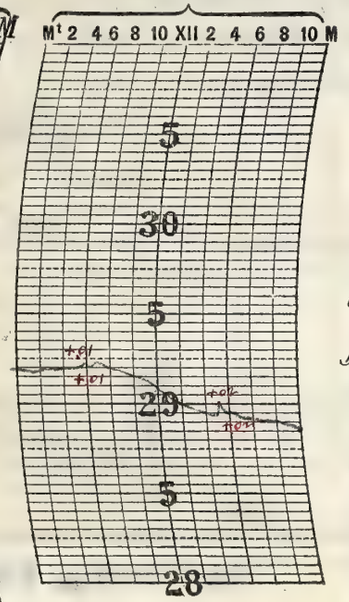
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

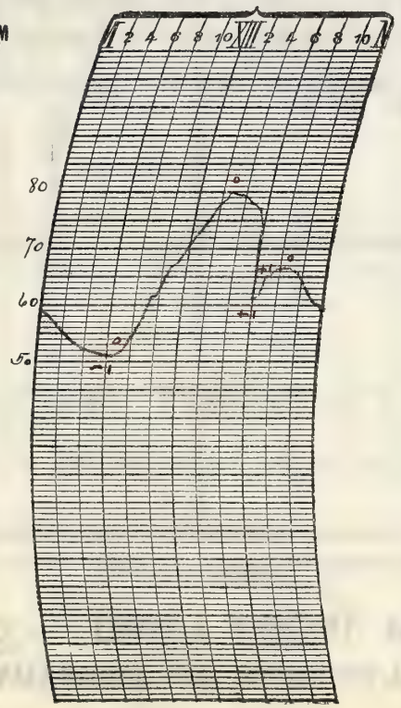
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



+ Sun shining through a St. cloud.

NOTES.

Warm and generally Cloudy, with Showers in the early morning and late afternoon.

A thunderstorm occurred between 5:20 am and 6:05 am. Another thunderstorm which moved from the Southwest occurred between 5:20 pm and 6:10 pm. The latter storm was quite violent and caused some damage to telephone wires.

Prepared by A. S. Baker.

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) APR 10 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	57	57	63	65	63	63	62	63	63	67	66
State of weather: Nature of precipitation and time of beginning and ending					RB H.N	—	RE 6:10					
Amounts of precipitation					T	.04	T					
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)						0	0	0	0	⊗ 0.2	⊗ 0.6	⊗ 0.9
Wind direction	E	E	E	SE	S	S	S	S	S	S	S	S
Wind movement	6	7	6	8	14	14	18	19	23	22	24	26
Maximum velocities (exceeding 20 miles) direction and time									32 S 8:31		34 S 10:54	35 S 11:16

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	58	59	59	61	54	50	46	46	44	43	44
State of weather: Nature of precipitation and time of beginning and ending	RB 12:10 RE 12:15	RB 1:20 RE 1:50										
Amounts of precipitation	T	.21										
Cloudiness and other conditions						Pt Cloudy						
Sunshine (in tenths of hours)	⊗ 0.4	0	⊗ 0.6	⊗ 0.9	⊗ 1.0	⊗ 0.2	0					
Wind direction	S	SW	SW	SW	SW	SW	W	W	SW	SW	SW	SW
Wind movement	23	26	21	20	25	23	19	17	19	19	17	20
Maximum velocities (exceeding 20 miles) direction and time	30 S 12:54	32 SW 1:16			36 SW 4:23	30 SW 5:07						

Sunrise: Time, 5:09 Character, Cloudy
Moonrise: 2:04 p.m.
Sunset: Time, 6:15 Character, Cloudy
Moonset: 2:39 a.m.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
67	43	55	

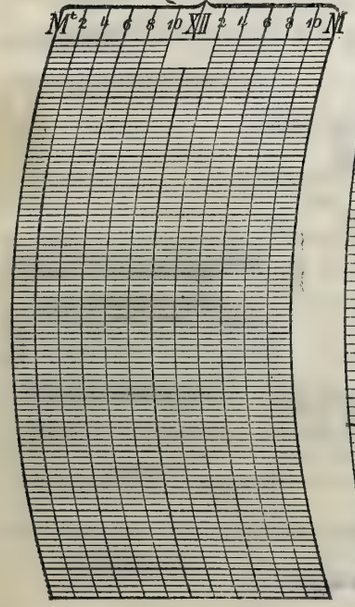
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., .21 ins.
Total precipitation, midnight to midnight, .25 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 4.8 Possible sunshine, hours, 13.1
Per cent of possible sunshine, 37
Prevailing wind direction, S-SW Total wind 436
Average hourly velocity, 18.2 Extreme velocity, 43
Maximum velocity, 36 Direction, SW
Time began, 4:23 p.m.
Reduced barometer, 29.67 7 a. m. 29.62 7 p. m.
River gage, 3.5 ft.
Relative humidity, 83 7 a. m. 67 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

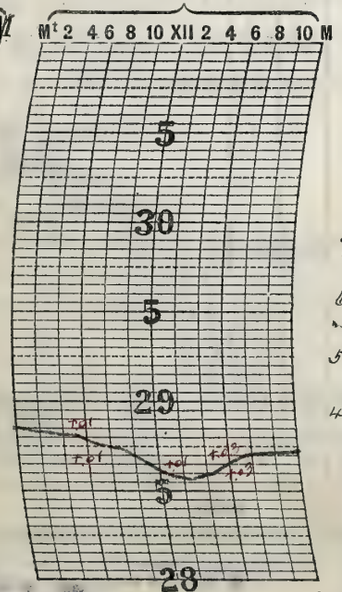
Excessive precipitation, accumulated amounts

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 65.7 Wet temperature, 61.4
Dew-point, 59 R. humidity, 79 V. pressure, .499
Clouds: Amount, 10; Kind, St. Cu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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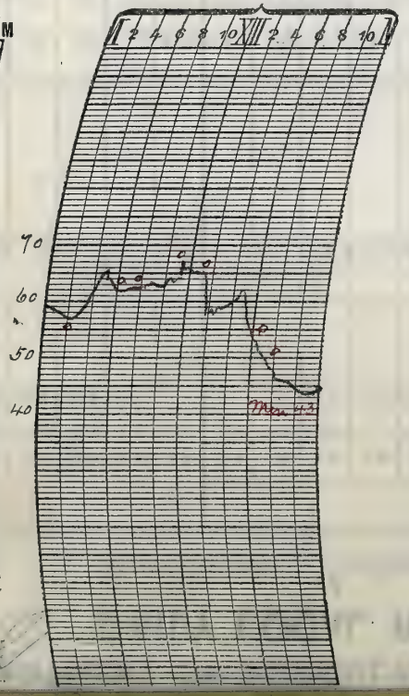


Prepared by N. S. Baker
Verified by F. M. Donough

⊗ Sun shining through detached clouds.

NOTES.

A special observation was taken at 1:00 p.m. and telegraphed to the Central Office.

Cloudy and somewhat colder weather with intermittent showers. Fresh south to southwest winds, with strong gusts at intervals.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) 11 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	44	44	43	43	42	43	43	43	44	44	44
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunrise: Time, Character	5:08 Cloudy											
Moonrise	3:05 P.M.											
Sunshine (in tenths of hours)						0	⊗ 04	⊗ 03	⊗ 03	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	18	16	15	16	19	15	19	21	20	19	18	19
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	43	43	41	42	43	42	42	43	43	43	42
State of weather: Nature of precipitation and time of beginning and ending	RB 12:40 RE 12:50			RB 3:25	—	RE 5:20	RB 6:07 RE 6:15					
Amounts of precipitation	T			T	T	T	T					
Cloudiness and other conditions												
Sunset: Time, Character									6:16 Cloudy			
Moonset									3:06 a.m.			
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	21	19	19	18	13	15	12	10	11	10	11	13

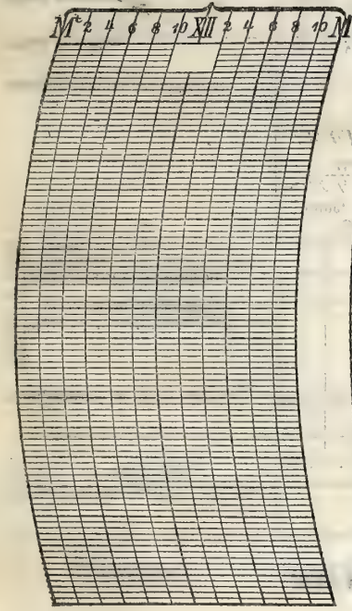
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	41	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.0 Possible sunshine, hours, 13.1
Per cent of possible sunshine, 8
Prevailing wind direction, S.W. Total wind 387
Average hourly velocity, 16.1 Extreme velocity, 30
Maximum velocity, 27 Direction, S.W.
Time began, 7:53 a.m.
Reduced barometer, 29.66, 7 a. m. 29.82, 7 p. m.
River gage, 3.7 ft.
Relative humidity, 76, 7 a. m. 83 7 p. m.

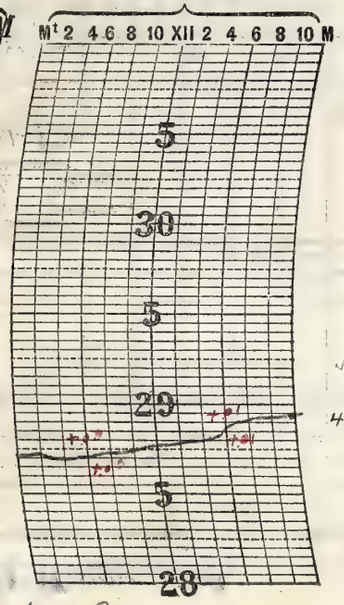
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 43.5 Wet temperature, 40.5
Dew-point, 37 R. humidity, 78 V. pressure, 219
Clouds: Amount, 10; Kind, St cu; Direction, SW
Velocity of clouds (miles per hour)

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

THERMOGRAPH.



BAROGRAPH.



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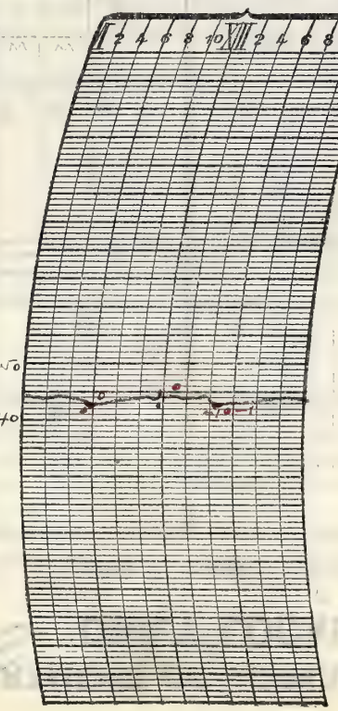


⊗ Sunshining through detached clouds.

NOTES.

Cool and cloudy weather with light showers in the afternoon and evening.

Prepared by N. S. Baker.
Verified by P. McGough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) APR 12 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	42	42	42	43	43	43	44	44	45	46	47	48	48	48	48	46	46	46	46	45	44	42	42
State of weather: Nature of precipitation and time of beginning and ending																							RB 10:50	RE A.N
Amounts of precipitation																							T	T
Cloudiness and other conditions								← Cloudy →																
Sunrise: Time, Character	5:06 Cloudy																				Sunset: Time, Character	6:17 Cloudy		
Moonrise	4:04 P.M.																				Moonset	3:32 am		
Sunshine (in tenths of hours)						0	0	0	0.3	0.2	0.6	0.4	0	0.4	0.1	0	0	0	0					
Wind direction	W	W	SW	SW	SW	SW	W	W	W	W	W	W	W	W	W	W	NW	W	W	W	W	NW	NW	NW
Wind movement	10	11	9	9	8	8	10	10	9	13	12	11	11	11	11	11	8	9	6	5	4	5	8	8
Maximum velocities (exceeding 29 miles) direction and time																								

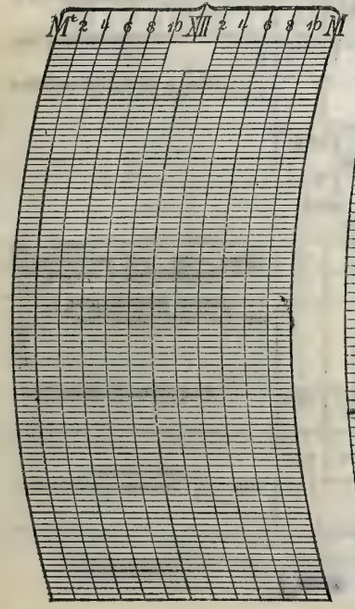
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
48	42	45	

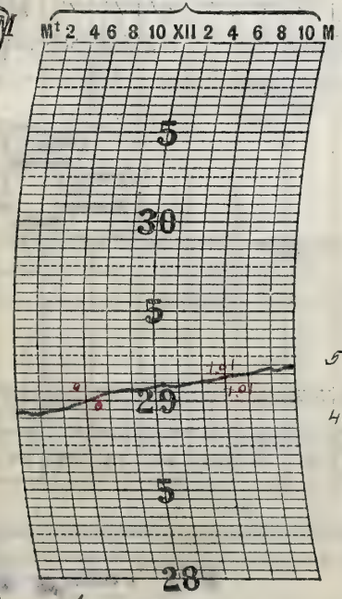
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.0 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 15
Prevailing wind direction, W Total wind 217
Average hourly velocity, 9.0 Extreme velocity, 17
Maximum velocity, 16 Direction, W.
Time began, 9:40 a.m.
Reduced barometer, 29.95 7 a. m. 30.08 7 p. m.
River gage, 3.8 ft.
Relative humidity, 85 7 a. m. 75 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 47.0 Wet temperature, 43.0
Dew-point, 39 R. humidity, 73 V. pressure, .237
Clouds: Amount, 10; Kind, Strat; Direction, NW.
Velocity of clouds (miles per hour)

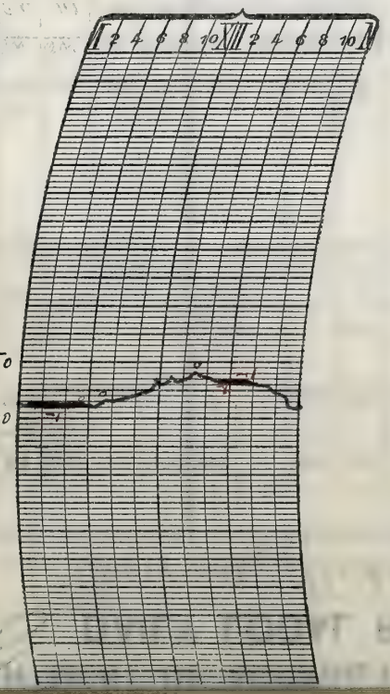
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



⊗ Sun shining through detached scouts.

NOTES.

Cloudy and moderately cool weather with light rain in the late night.

Prepared by N. S. Baker.
Verified by P. McCormack

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 13 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	41	41	40	39	39	40	41	44	48	52	54	56	59	59	58	61	60	58	58	57	55	54	54
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Cloudy	→	Pt Cloudy	→	Clear	→		—	Pt.	Cloudy	→		→	Cloudy					
Sunshine (in tenths of hours)						0	0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.4	0.9	0.2	0					
Wind direction	NW	NW	W	W	SW	SW	W	W	SW	SW	W	W	W	SW	W	W	W	NW	NW	N	N	NE	E	E
Wind movement	7	6	7	6	6	7	7	7	7	8	9	12	12	13	10	11	9	2	3	4	4	4	4	4

Sunrise: Time, 5:05 Character, Cloudy
Moonrise: 5:04 P.M.
Sunset: Time, 6:18 Character, Cloudy
Moonset: 3:59 a.m.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

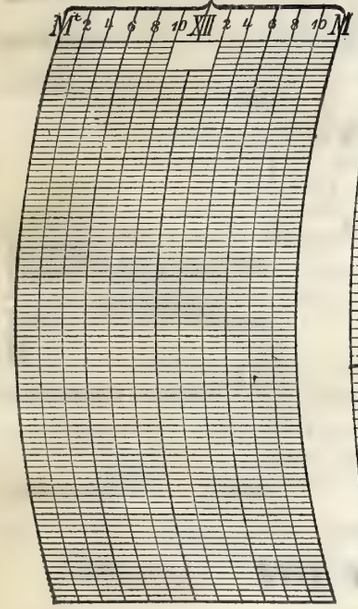
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
61	38	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.2 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 70
Prevailing wind direction, W Total wind 169
Average hourly velocity, 7.0 Extreme velocity, 18
Maximum velocity, 16 Direction, W.
Time began, 12:40 p.m.
Reduced barometer, 30.22, 7 a. m. 30.14, 7 p. m.
River gage, 3.74
Relative humidity, 87, 7 a. m. 49 7 p. m.

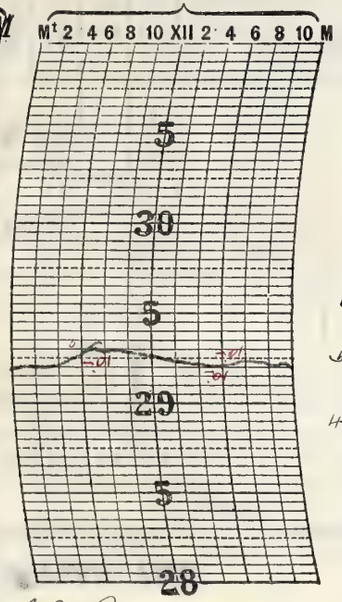
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 57.6 Wet temperature, 49.0
Dew-point, 41 R. humidity, 53 V. pressure, .256
Clouds: Amount, 6; Kind, Cu.; Direction, W
Velocity of clouds (miles per hour)

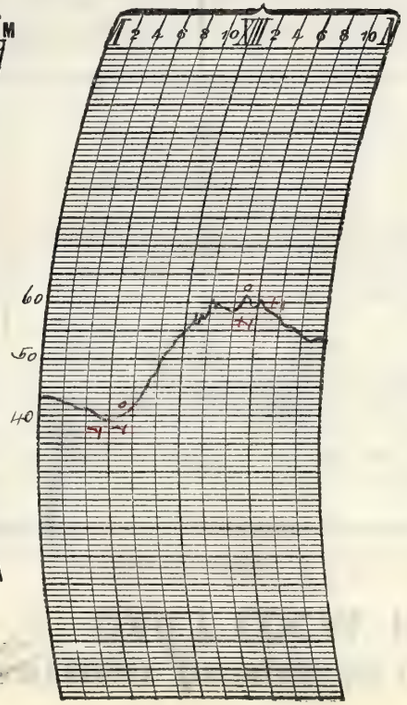
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Day partly cloudy, but night mostly cloudy with moonlight at intervals through rifts in clouds. Cool in the morning, very pleasant temperature during a considerable part of the day.

Prepared by A. S. Baker.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 14 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	52	52	50	49	49	48	48	48	47	47	46	47	46	46	46	46	46	46	45	44	43	43	43
State of weather: Nature of precipitation and time of beginning and ending				RB J.N													RE 4:05		RB 6:35	RE T.10		RB 9:20		RE J.N
Amounts of precipitation				.01	T	.04	.13	.07	.01	.04	.05	T	T	T	.01	T	T		T	T		.02	.05	.01
Cloudiness and other conditions							← Cloudy →																	

Sunrise: Time, 5:03 Character, Cloudy
Moonrise: 6:02 P.m.
Sunset: Time, 6:19 Character, Cloudy
Moonset: 4:26 am

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Wind direction	SE	SE	SE	S	SW	SW	E	SE	SE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	4	5	3	5	3	2	2	4	6	9	13	15	16	17	18	20	19	19	18	20	19	19	20	23
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

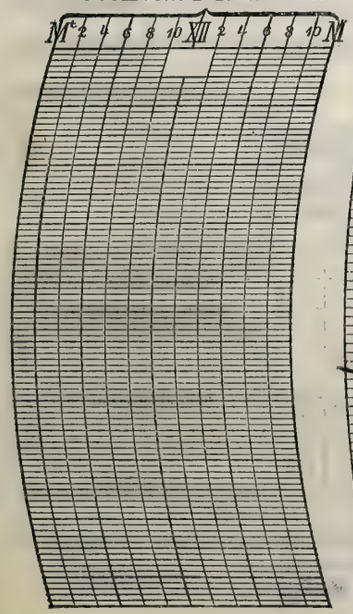
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	43	48	

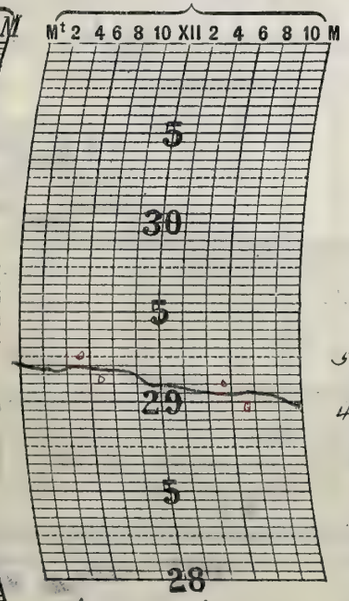
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .18 ins.; to 7 p. m., .18 ins.
Total precipitation, midnight to midnight, .44 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 298
Average hourly velocity, 12.4 Extreme velocity, 30
Maximum velocity, 26 Direction, E
Time began, 11:11 p.m.
Reduced barometer, 30.10 7 a. m. 29.97 7 p. m.
River gage, 3.8
Relative humidity, 91 7 a. m. 86 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 46.5 Wet temperature, 44.5
Dew-point, 42 R. humidity, 86 V. pressure, .266
Clouds: Amount, 10; Kind, No; Direction, E
Velocity of clouds (miles per hour)

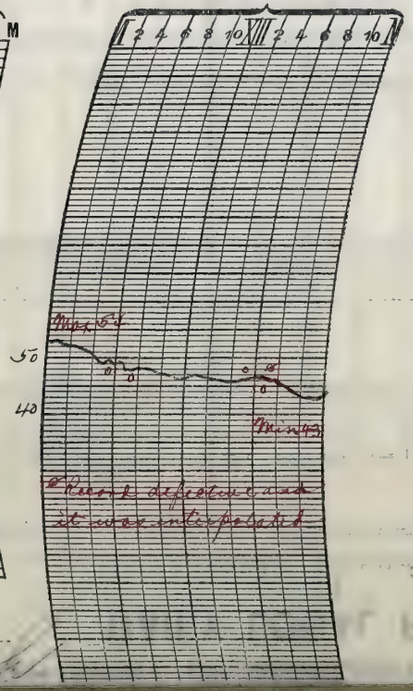
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather was cool and unpleasant with light rain during a considerable part of the day.

Prepared by N. S. Baker.
Verified by P. W. Zimmerman

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) APR 15 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	42	41	41	41	40	41	41	41	39	41	42
										R.B.		
State of weather: Nature of precipitation and time of beginning and ending										9:08		
Amounts of precipitation										.23	.10	.04
Cloudiness and other conditions						Pt Cloudy						

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	45	46	45	44	43	42	42	42	41	41	41
	RE					RD					RE	
State of weather: Nature of precipitation and time of beginning and ending	12:55					5:16					X.N.	
Amounts of precipitation	T					T	T	.11	*.07	*.05	*.02	
Cloudiness and other conditions	Cloudy											

Sunrise: Time, 5:02 Character, Cloudy
Moonrise: 7:00 P.m.

Sunset: Time, 6:20 Character, Cloudy
Moonset: 4:54 a.m.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	E	NE	NE	E	NE	NE	E	E	NE	E	E	E
Wind movement	21	22	21	19	20	21	21	23	22	19	22	16

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	*02	*04	*09	0	0	0	0					
Wind direction	N	N	NE	E	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	18	14	16	14	12	13	13	13	7	10	10	9

Maximum velocities (exceeding 27 miles) direction and time.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	39	42	

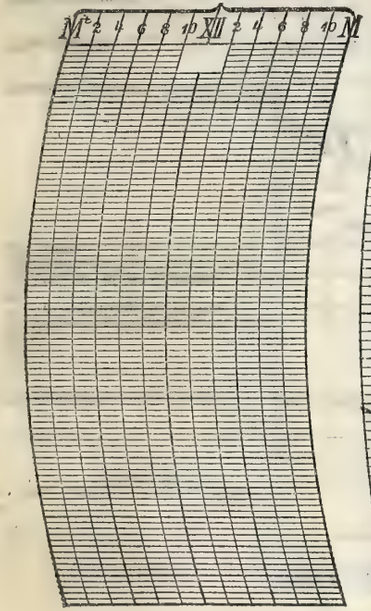
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .08 ins.; to 7 p. m., .37 ins.
Total precipitation, midnight to midnight, *.62 inches.
Character of day, Cloudy Moon phase, Full Moon 2:25 am.
Average daily cloudiness (0-10), 9
Actual sunshine, hours, .5 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 11
Prevailing wind direction, NE Total wind 396
Average hourly velocity, 16.5 Extreme velocity, 32
Maximum velocity, 28 Direction, NE
Time began, 10:28 a.m.
Reduced barometer, 29.80 7 a. m. 29.68 7 p. m.
River gage, 3.8
Relative humidity, 83 7 a. m. 92 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

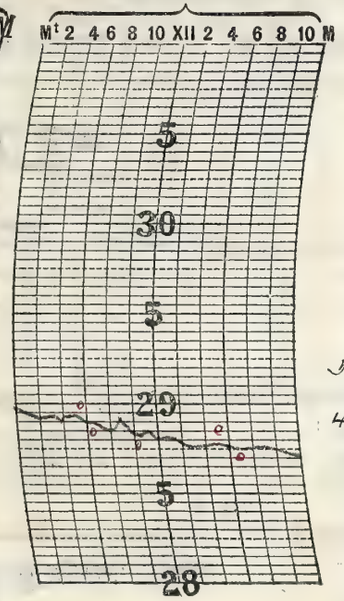
OBSERVATIONS AT ~~12 NOON~~ 1:38 P.M. (Local Mean Time.)

Dry temperature, 43.0 Wet temperature, 41.2
Dew-point, 39 R. humidity, 86 V. pressure, .237
Clouds: Amount, 10; Kind, Str Cu; Direction, NE.
Velocity of clouds (miles per hour)

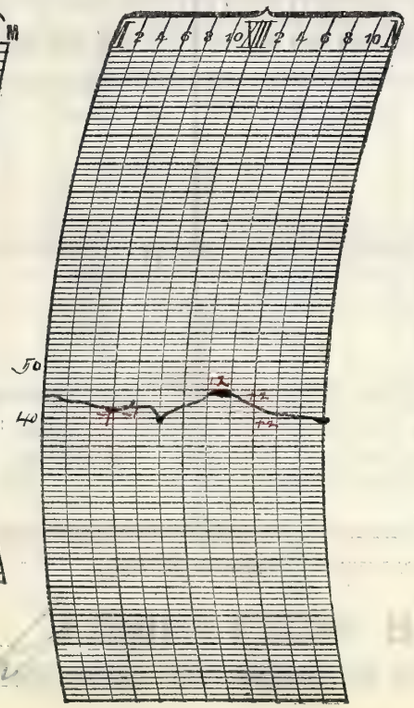
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

* Estimated tipping bucket gage out of order.
* Sun shining through detached clouds.

Cool and cloudy weather with rain during the forenoon, late afternoon and night.

A moderate thunderstorm occurred between 9:28 am and 10:20 am

Day dark, dreary and unpleasant.

Prepared by N. S. Baker

Verified by P. McGinnis

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 16 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	41	41	40	40	40	40	42	44	47	47	49
State of weather:				RB				RE		RB		RE
Nature of precipitation and time of beginning and end				D.N	–	–	–	7:45		9:55	–	11:10
Amounts of precipitation				.07	.08	.07	.06	T		T	.04	T
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)						0	0	⊗ 0.2	0	⊗ 0.5	0	⊗ 0.3
Wind direction	NE	NE	NE	N	NW	NW	NW	NW	SW	SW	SW	SW
Wind movement	8	9	5	6	5	6	4	9	10	12	12	17

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	45	42	40	39	39	38	37	37	37	36	36
State of weather:	RB		RE		RB							RE
Nature of precipitation and time of beginning and end	1:00	–	2:40		4:35	–	–	–	–	–	–	D.N
Amounts of precipitation		.01	T		T	T	T	T	T	T	T	T
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	⊗ 0.3	0	0	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	20	22	24	25	23	24	22	22	22	23	22	21
Maximum velocities (exceeding 29 miles) direction and time			30 SW 2:30			31 SW 5:11						

Sunrise: Time, 5:06; Character, Cloudy. Moonrise: 7:58 P.M.

Sunset: Time, 6:21; Character, Cloudy. Moonset: 6:26 am

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
49	36	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .53 ins.; to 7 p. m., .05 ins.
Total precipitation, midnight to midnight, ⊗ .33 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.3. Possible sunshine, hours, 13.4
Per cent of possible sunshine, 10
Prevailing wind direction, SW. Total wind 373
Average hourly velocity, 15.5. Extreme velocity, 35
Maximum velocity, 31. Direction, SW
Time began, 5:11 p. m.
Reduced barometer, 29.52, 7 a. m. 29.72, 7 p. m.
River gage, 1.3 ft.
Relative humidity, 89, 7 a. m. 90, 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

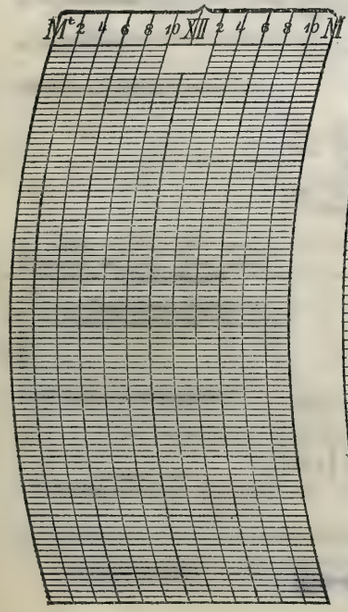
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

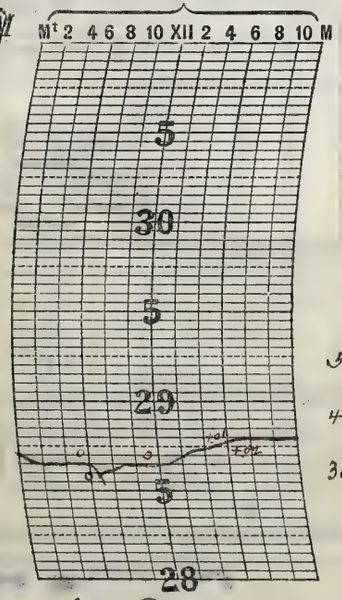
OBSERVATIONS AT 12 ~~NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 49.0. Wet temperature, 45.8
Dew-point, 43. R. humidity, 79. V. pressure, .277
Clouds: Amount, 10; Kind, St. Cu.; Direction, SW.
Velocity of clouds (miles per hour)

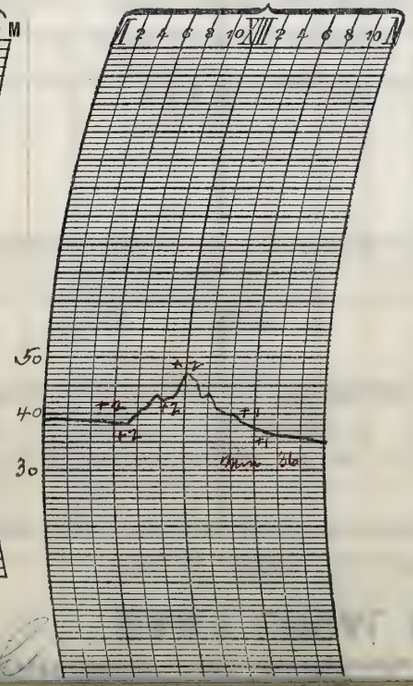
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



⊗ Sunshining through detached clouds.
⊙ Estimated

NOTES.

A special observation was taken at 11 am and telegraphed to the Central Office. Unpleasantly cool, dark, and dreary, with intermittent showers.

Prepared by H. S. Baker

Verified by F. M. McDonough

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) APR 17 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	36	36	37	37	36	36	37	38	40	41
State of weather: Nature of precipitation and time of beginning and ending	RB.					RE 5:40	RB 6:08					
Amounts of precipitation	T	.01	.01	.01	.01	T	T	.01	T	T	.01	T
Cloudiness and other conditions	← Cloudy →											
Sunrise: Time, Character	4:58 Cloudy											
Moonrise	8:54 p.m.											
Sunshine (in tenths of hours)						0	0	0.1	0.2	1.0	0.8	0.6
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	19	18	15	14	14	13	14	18	16	17	16	14

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	42	40	40	39	38	39	38	38	37	36	36
State of weather: Nature of precipitation and time of beginning and ending	RE 12:10 RB. 12:35	RE 1:10 HB 1:28 HE 1:31 RB 1:31					RE 6:10					
Amounts of precipitation	T	T	T	T	T	T	T					
Cloudiness and other conditions	← Cloudy →											
Sunset: Time, Character									6:23 Cloudy			
Moonset									6:00 a.m.			
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.2	0	0	0					
Wind direction	W	W	W	W	W	W	NW	NW	NW	NW	NW	NW
Wind movement	18	18	21	21	18	16	17	14	13	11	10	11

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

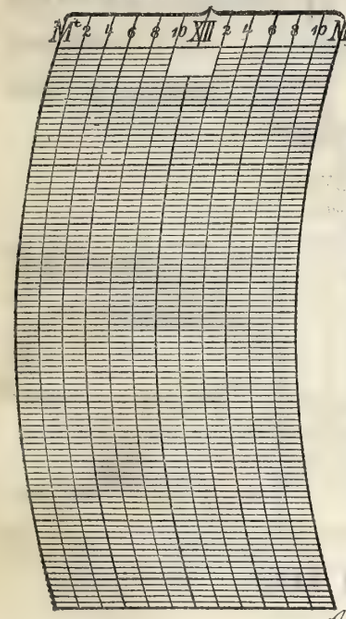
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
43	35	39	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .06 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 6.9 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 44
Prevailing wind direction, SW Total wind 376
Average hourly velocity, 15.7 Extreme velocity, 33
Maximum velocity, 28 Direction, W
Time began, 2:03 p.m.
Reduced barometer, 29.74 7 a. m. 29.96 7 p. m.
River gage, 11.0 ft.
Relative humidity, 89 7 a. m. 84 7 p. m.

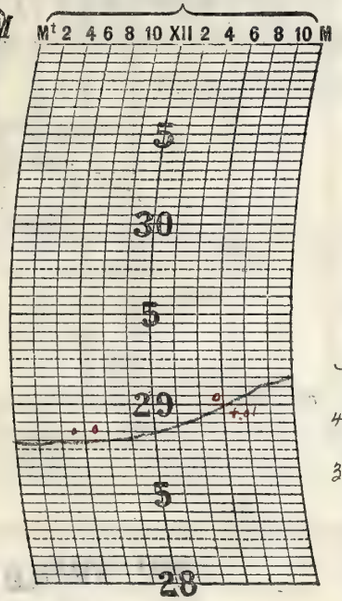
OBSERVATIONS AT ~~12 NOON~~ 12:38 PM (Local Mean Time.)

Dry temperature, 41.8 Wet temperature, 38.3
Dew-point, 34 R. humidity, 73 V. pressure, .195
Clouds: Amount, 9; Kind, St. cu; Direction, W
Velocity of clouds (miles per hour)

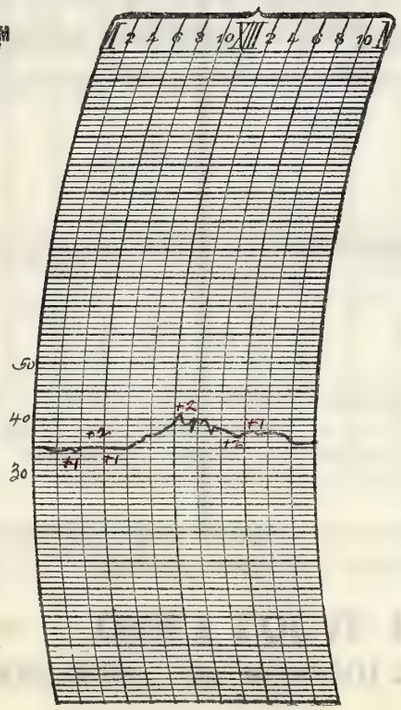
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by H. S. Baker
Verified by C. Meyrowitz

8—486

* Sunshining through detached clouds

NOTES.

The weather during the day was cool and Cloudy, with intermittent showers until 6:40 p.m. Light hail, size of small peas, occurred between 1:28 pm and 1:31 pm.

The word "warning" was telegraphed in the pm. report.

The am forecast contained a warning of heavy frost.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) APR 18 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	35	35	33	33	35	39	42	44	45	48	49
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							←			Clear		
Sunshine (in tenths of hours)					0.05 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	8	8	9	7	7	7	7	10	9	10	8	8

Sunrise: Time, 4:57 Character, Clear. Moonrise: 9:48 P.m.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	54	55	56	54	54	52	50	49	49	48	47
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				→	Partly	Cldy	Cldy	Clear				
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	* 0.9	0					
Wind direction	NW	W	NW	NW	NW	W	W	SW	SW	S	S	S
Wind movement	9	8	7	7	5	6	6	5	3	4	5	6

Sunset: Time, 6:23 Character, Cloudy. Moonset:

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts.

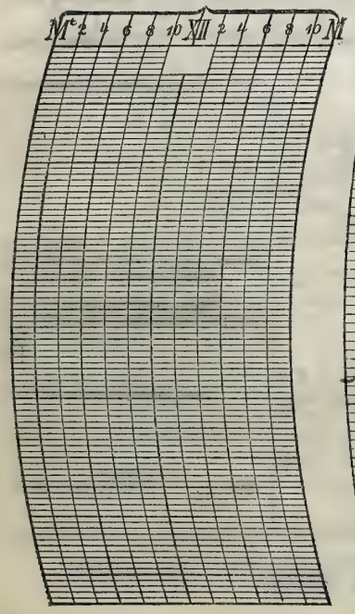
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
56	33	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 13.0 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 97
Prevailing wind direction, NW Total wind 169
Average hourly velocity, 7.0 Extreme velocity, 12
Maximum velocity, 12 Direction, NW
Time began, 12:53 p.m.
Reduced barometer, 30.27 7 a. m. 30.31 7, p. m.
River gage, 11.3 ft.
Relative humidity, 77 7 a. m. 50 7 p. m.

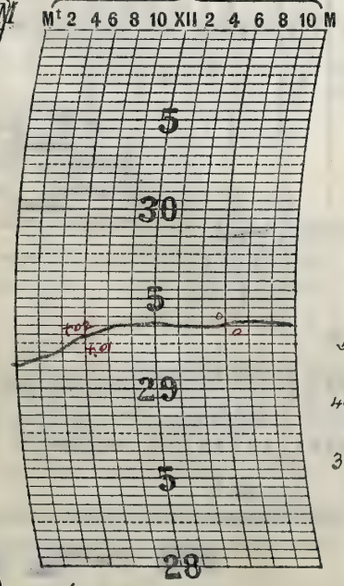
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 52.0 Wet temperature, 43.2
Dew-point, 33 R. humidity, 47 (a St.) V. pressure, .187
Clouds: Amount, 2 (Cu); Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

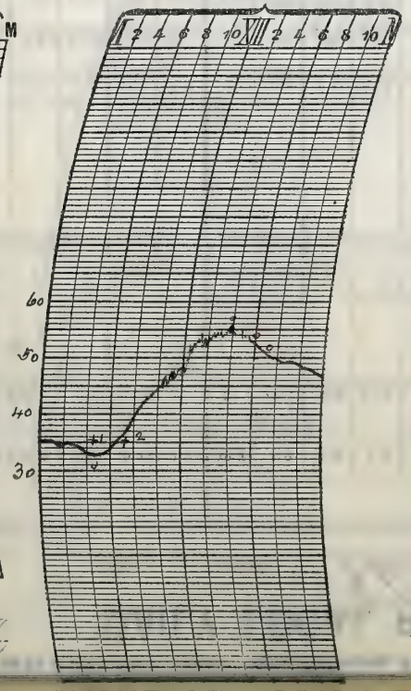
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



* Sun shining through detached clouds

NOTES.

Heavy frost occurred in the early morning but not damage resulted.
Clear, pleasant day, but with increasing cloudiness in the late afternoon, the night, however, being generally clear.

Prepared by A. S. Baker

Verified by P. McDonnell

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Saturday, (Date) APR 19 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	44	43	43	42	43	47	51	55	57	60	61
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)					0.07 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	S	S	SW	S	S
Wind movement	6	8	6	7	8	9	10	14	15	18	16	16

Sunrise: Time, 4.56; Character, Clear. Moonrise: 10.38 P.M.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	64	66	65	65	63	60	58	56	55	54	53
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.8	0					
Wind direction	S	S	S	S	S	S	S	S	S	S	S	SW
Wind movement	16	16	17	17	17	14	11	11	13	14	15	11

Sunset: Time, 6.24; Character, Cloudy. Moonset: [illegible]

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

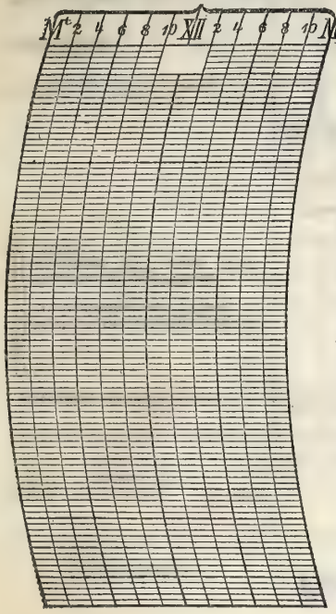
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
66	42	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.9 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 96
Prevailing wind direction, S Total wind 305
Average hourly velocity, 12.7 Extreme velocity, 25
Maximum velocity, 22 Direction, S
Time began, 1:07 p.m.
Reduced barometer, 30.32, 7 a. m. 30.13, 7 p. m.
River gage, 11.0 ft.
Relative humidity, 63, 7 a. m. 56, 7 p. m.

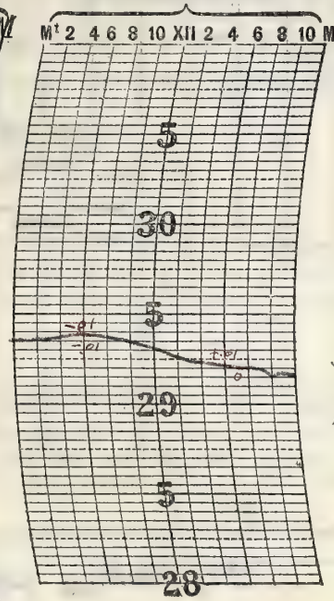
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 62.0 Wet temperature, 52.0
Dew-point, 43 R. humidity, 50 V. pressure, .277
Clouds: Amount, 1; Kind, Ci St.; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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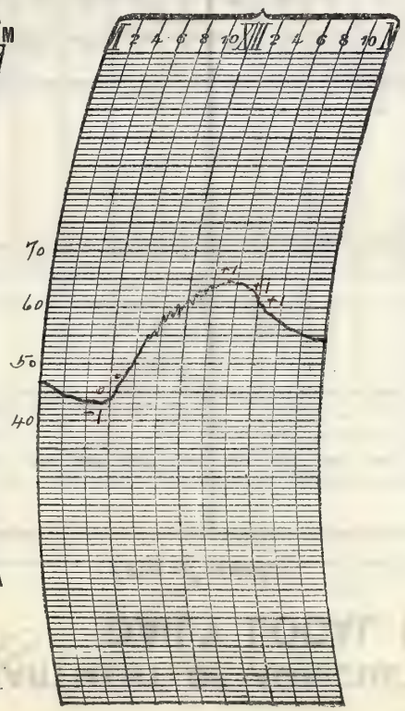


NOTES.

Cool in the early morning, but moderate temperature obtained during a considerable part of the day. Day mostly clear and very pleasant.

Prepared by A. S. Baker

Verified by C. M. [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 20 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	53	54	54	55	55	56	58	61	64	61	56
State of weather: Nature of precipitation and time of beginning and ending					RB 4:10	–	RE 6:10				RB 10:55	RE 11:05
Amounts of precipitation					T	T	T				.01	.07
Cloudiness and other conditions					Cloudy			Pt Cloudy				

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	55	56	59	60	60	59	57	56	54	52	49
Cloudiness and other conditions						Cloudy			Pt Cloudy		Clear	
Sunshine (in tenths of hours)	0	⊗ 0.3	⊗ 0.7	⊗ 1.0	1.0	1.0	0					
Wind direction	W	N	N	N	NE	NE	NE	NE	N	NE	NE	NE
Wind movement	4	4	3	6	7	5	2	1	6	9	8	11

Sunrise: Time, 4:55 Character, Cloudy
Moonrise: 11:23 P.M.
Sunset: Time, 6:26 Character, Cloudy
Moonset: 8:15 AM

Maximum velocities (exceeding 29 miles) direction and time

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
64	49	56	

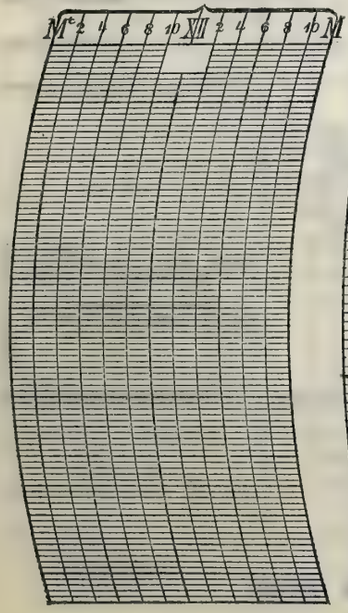
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 7.4 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 55
Prevailing wind direction, SW. Total wind 210
Average hourly velocity, 8.8 Extreme velocity, 21
Maximum velocity, 20 Direction, W
Time began, 9:46 am
Reduced barometer, 30.01 7 a. m. 30.15 7 p. m.
River gage, 10.9 ft
Relative humidity, 63 7 a. m. 74 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
						Accumulated depths during excessive rate, for consecutive periods of time indicated below.													
Excessive precipitation, accumulated amounts																			

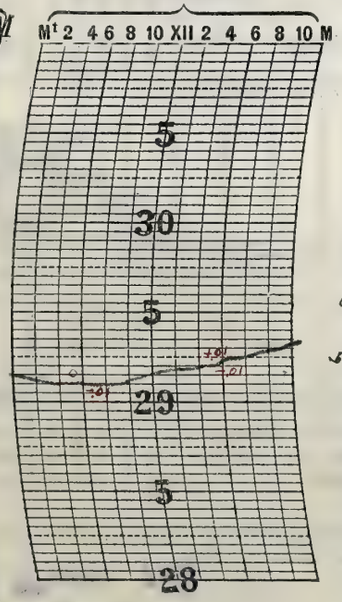
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 58.2 Wet temperature, 56.5
Dew-point, 56 R. humidity, 90 V. pressure, .448
Clouds: Amount, 8; Kind, St; Direction, W
Velocity of clouds (miles per hour)

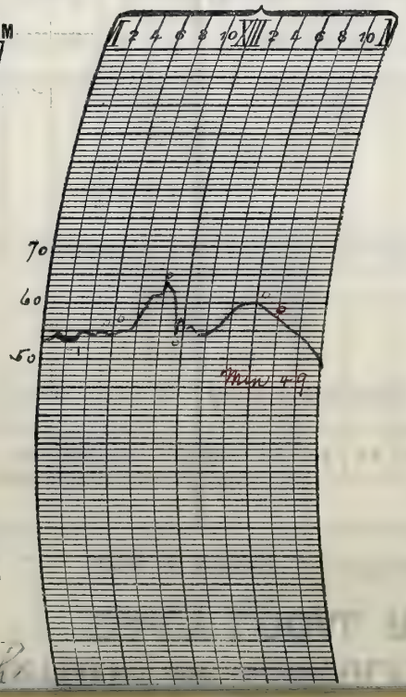
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



⊗ Sun shining through detached clouds.

NOTES.

Considerable Cloudiness obtained during the day, with light rain in the early morning and a thundershower in the late forenoon. The first thunder was heard at 11:05 am, and the last thunder was heard at 11:40 am. The storm came from the southwest.

A frost warning was received in the forenoon and the information contained therein was telephoned to those interested.

Prepared by R. S. Baker.
Verified by J. McDonough.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 21 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	45	44	43	41	41	45	48	50	52	54	56	57	58	58	60	60	59	56	52	49	46	44	42
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear							Pt Cloudy				Clear							
Sunshine (in tenths of hours)					0.2 0	0.4 0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0					
Wind direction	NE	NE	NE	E	E	E	E	E	E	E	E	E	* E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	10	8	7	8	7	7	10	11	11	11	11	10	10	10	9	8	9	9	8	11	12	10	9	8

Sunrise: Time, 4:53 Character, Clear
Moonrise: —

Sunset: Time, 6:27 Character, Cloudy
Moonset: 9:10 am

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

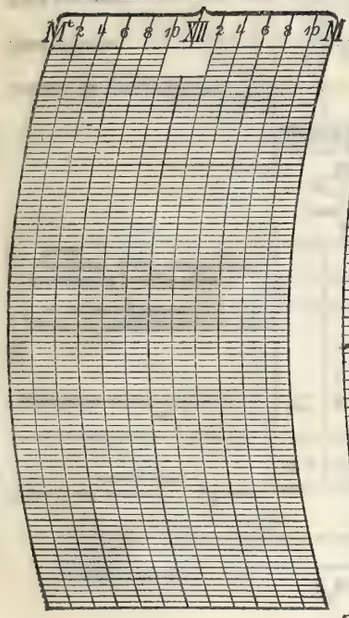
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	41	50	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.0 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 96
Prevailing wind direction, E Total wind 224
Average hourly velocity, 9.3 Extreme velocity, 14
Maximum velocity, 14 Direction, E
Time began, 9:05 p. m.
Reduced barometer, 30.36, 7 a. m. 30.28, 7 p. m.
River gage, 10.0 ft.
Relative humidity, 60, 7 a. m. 55, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 PM
(Local Mean Time.)
Dry temperature, 56.5 Wet temperature, 47.5
Dew-point, 38 R. humidity, 50 V. pressure, .228
Clouds: Amount, 4; Kind, Ast.; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



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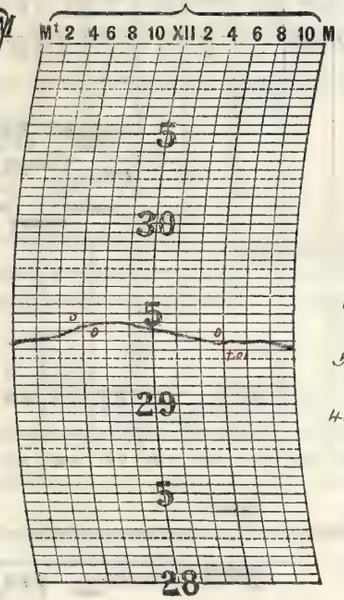

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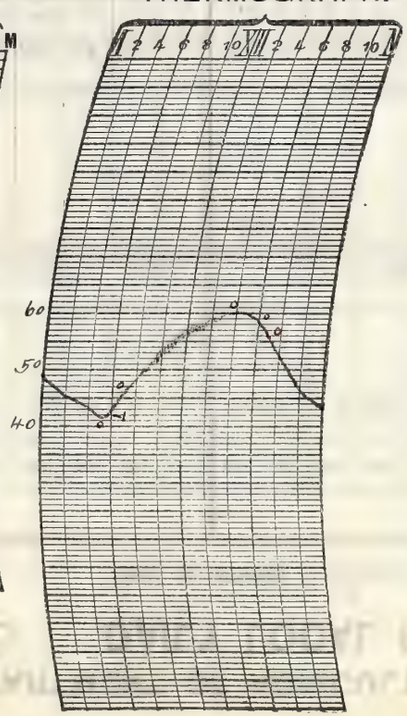


* Interpolated

NOTES.

Although there were some cloudiness during the day clear skies prevailed. The forenoon was moderately cool but pleasant temperatures obtained in the afternoon. The day on the whole was fine and agreeable.

Prepared by A. S. Baker.
Verified by C. M. Hough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) APR. 22 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	40	40	39	38	39	43	51	53	55	61	67	67	68	68	68	66	65	60	57	56	55	52	52
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Pt. Cloudy																	→
Sunshine (in tenths of hours)					0	0	0.6	1.0	1.0	1.0	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.4					
Wind direction	E	E	E	NE	E	E	E	NE	NE	NE	NE	NE	E	E	E	E	E	E	NE	E	E	E	E	E
Wind movement	7	7	6	6	7	6	7	5	7	6	7	6	10	8	8	7	6	8	7	6	6	5	6	5
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:51; Character, Cloudy. Moonrise: 12:05 am

Sunset: Time, 6:28; Character, Clear. Moonset:

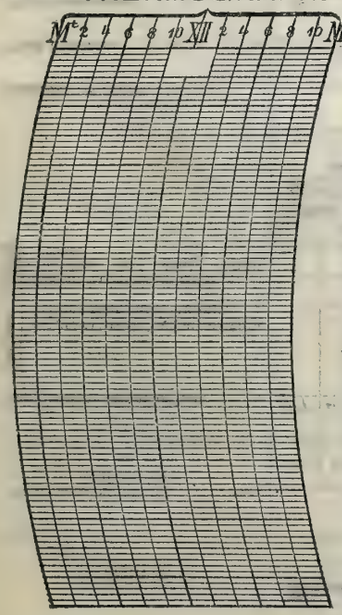
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
68	38	53	

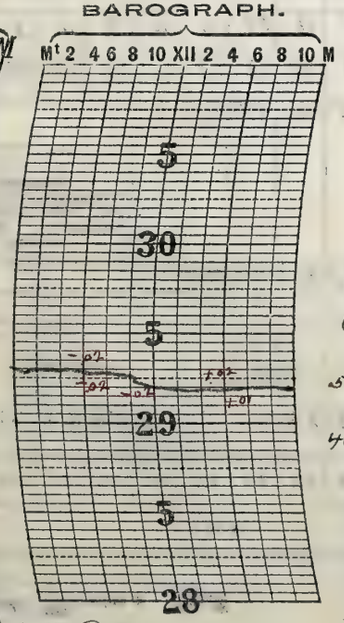
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 11.1 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 87
Prevailing wind direction, E Total wind 159
Average hourly velocity, 6.6 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 1:16 p. m.
Reduced barometer, 30.20, 7 a. m. 30.13 7, p. m.
River gage, 8.7 ft.
Relative humidity, 67, 7 a. m. 53, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 64.4 Wet temperature, 52.0
Dew-point, 41 R. humidity, 42 V. pressure, 2.56
Clouds: Amount, 3 1; Kind, a Cu a St; Direction, W W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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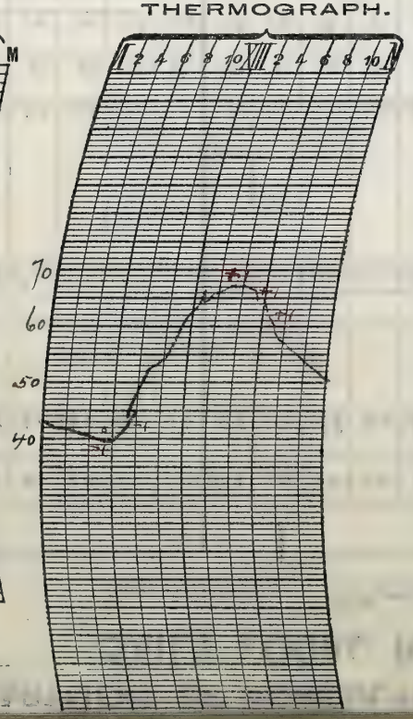


NOTES.

Cool in the morning but pleasant temperature during a considerable part of the day. Partly cloudy, except clear in the late afternoon and night.

Prepared by N. S. Baker

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 23 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	49	47	45	45	49	50	55	55	54	57	58
State of weather: Nature of precipitation and time of beginning and ending									RB 8:50	RE 9:45		RB 11:45 RE 11:55
Amounts of precipitation									T	.04		T
Cloudiness and other conditions						Pt Cloudy			X	—	—	C 10
Sunshine (in tenths of hours)					0	0	0	0	0	0	⊗ 0.2	0
Wind direction	E	E	E	E	E	SE	SE	S	SE	SE	SE	SE
Wind movement	5	9	4	5	6	4	3	7	8	7	5	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	58	59	63	60	62	60	57	60	59	57	47
State of weather: Nature of precipitation and time of beginning and ending	RB	RE 1:20 RB 1:45 12:42		RE 3:10								
Amounts of precipitation	.01	T	.01	T								
Cloudiness and other conditions	u	d	y	—	—	—	Pt Cldy	Cloudy				
Sunshine (in tenths of hours)	0	⊗ 0.2	⊗ 0.3	⊗ 0.5	⊗ 0.7	0.3	0					
Wind direction	SE	SE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	5	5	10	12	20	16	17	16	13	12	16	18

Sunrise: Time, 4:50; Character, Cloudy. Moonrise: 12:42 P.M.

Sunset: Time, 6:29; Character, Cloudy. Moonset: —

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
64	45	54	

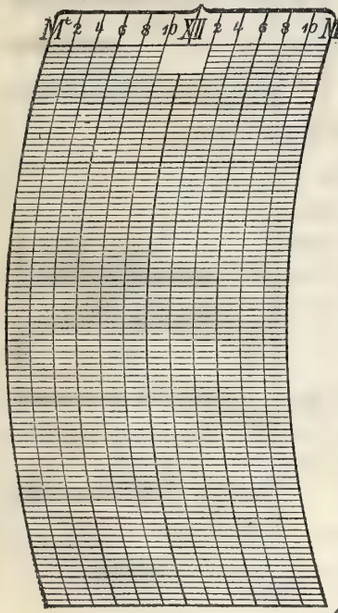
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .06 ins.
Total precipitation, midnight to midnight, .06 inches.
Character of day, Cloudy. Moon phase, Last Quarter 5:12 am
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.2. Possible sunshine, hours, 13.6.
Per cent of possible sunshine, 16
Prevailing wind direction, NW. Total wind 224
Average hourly velocity, 9.3. Extreme velocity, 27
Maximum velocity, 25. Direction, NW.
Time began, 4:35 p. m.
Reduced barometer, 30.03 7 a. m. 29.94 7 p. m.
River gage, 6.9 ft.
Relative humidity, 78 7 a. m. 79 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

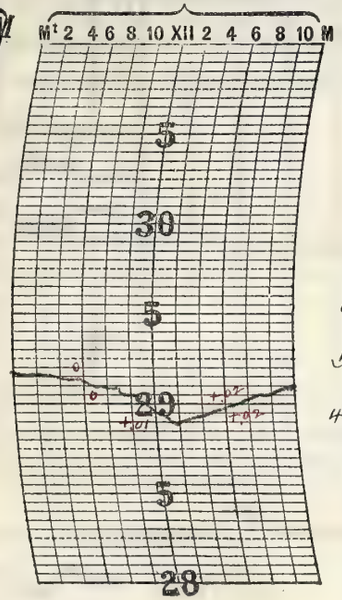
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M. (Local Mean Time.)

Dry temperature, 59.4. Wet temperature, 57.8.
Dew-point, 55. R. humidity, 85. V. pressure, .432
Clouds: Amount, 10; Kind, St Cu; Direction, E
Velocity of clouds (miles per hour)

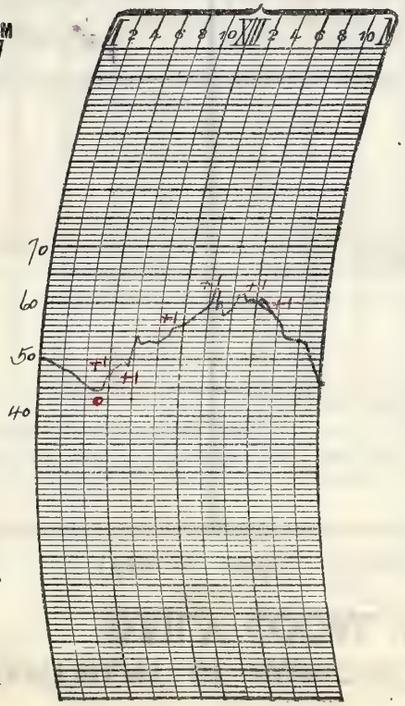
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



⊗ Sun shining through detached clouds.

NOTES.

Special observation taken at 11 a.m. and telegraphed to the central office.

Moderate temperature. The weather was generally unsettled with intermittent showers.

There were two mild thunderstorms. One occurred between 9:25 a.m. and 9:30 a.m., and the other began at 12:42 p.m. and ended at 1:20 p.m.; both moved from the west.

Prepared by N. S. Baker.

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) APR 24 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	39	37	35	34	34	35	36	36	35	34	35
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Pt. Cloudy					Cloudy	
Sunshine (in tenths of hours)					0	0.3	1.0	0.9	0.6	0.4 ⊗	0.7 ⊗	0.7 ⊗
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	16	19	20	18	16	14	20	25	24	23	22	18
Maximum velocities (exceeding 29 miles) direction and time								31 NW 7:25				

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	35	35	35	35	35	33	32	31	30	30	29
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt. Cloudy			Clear				
Sunshine (in tenths of hours)	0	0	0	0	0.1	0.3 0.4	0.5 0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	18	19	16	16	17	16	13	14	11	11	10	14

Sunrise: Time, 4:48; Character, Cloudy. Moonrise: 1:17 am.

Sunset: Time, 6:30; Character, Clear. Moonset: 12:18 P.M.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	29	38	

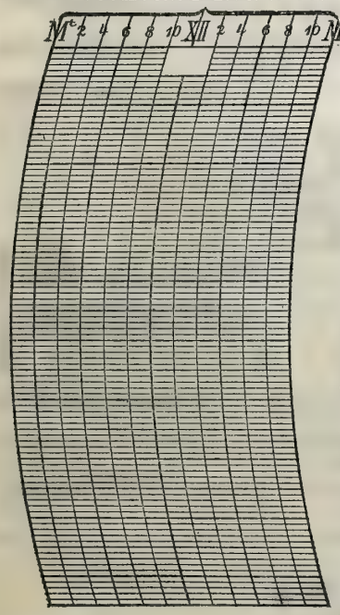
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 5.9 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 43
Prevailing wind direction, NW Total wind 410
Average hourly velocity, 17.1 Extreme velocity, 35
Maximum velocity, 31 Direction, NW.
Time began, 7:25 am.
Reduced barometer, 30.23, 7 a. m. 30.40, 7, p. m.
River gage, 5.9 ft
Relative humidity, 70, 7 a. m. 61, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M. (Local Mean Time.)

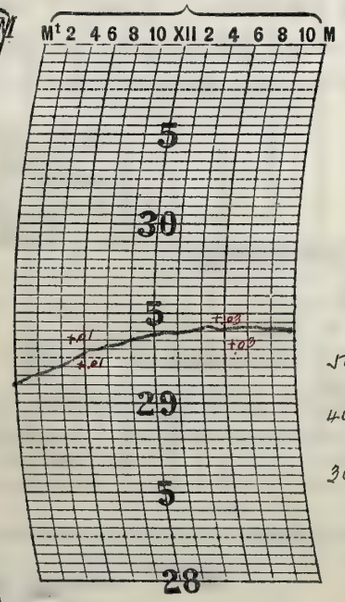
Dry temperature, 35.4 Wet temperature, 31.4
Dew-point, 25 R. humidity, 64 V. pressure, .13
Clouds: Amount, 10; Kind, St. Cu; Direction, NW
Velocity of clouds (miles per hour)

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

THERMOGRAPH.



BAROGRAPH.



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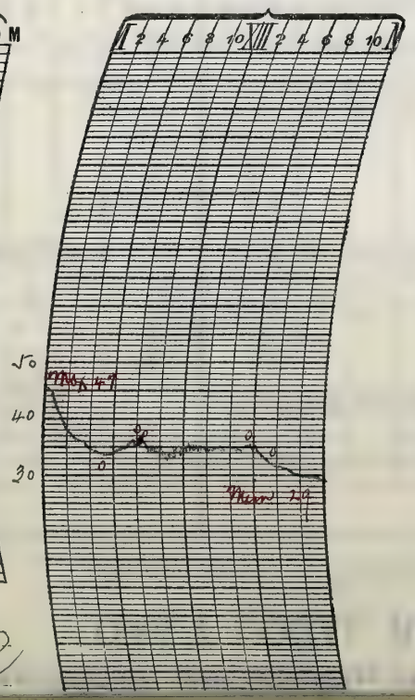


⊗ Sunshining through detached clouds.

NOTES.

Partly Cloudy and Cold but night Clear. Freezing temperature occurred in the last night. A warning of freezing temperature issued with the am weather bulletin.

Prepared by N. S. Baker

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Friday, (Date) APR 25 1919, 191

Time (local standard). 90 mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	29	28	27	26	26	27	30	31	32	34	35	38	39	40	42	39	38	37	34	34	33	32	32	32
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Clear							→	← Pt. Cloudy						→	← Clear				→
Sunshine (in tenths of hours)					0.22 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2 0.8	0.52 0					
Wind direction	N	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W	W	W
Wind movement	13	9	7	6	6	7	10	14	20	18	16	14	14	16	19	21	20	21	15	11	7	9	10	8
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:47 Character, Clear
Moonrise: 1:49 am

Sunset: Time, 6:31 Character, Clear
Moonset: 12:5 PM

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

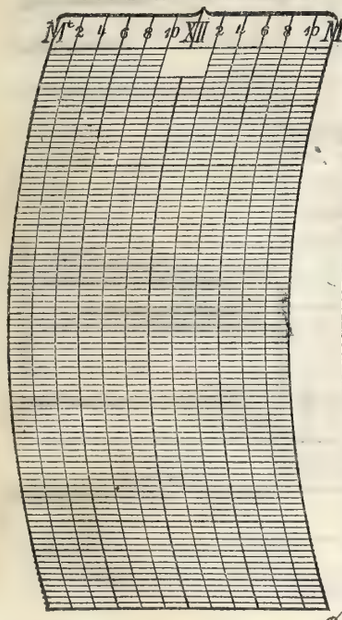
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	26	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 3
Actual sunshine, hours, 13.7 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 100
Prevailing wind direction, NW Total wind 311
Average hourly velocity, 13.0 Extreme velocity, 30
Maximum velocity, 26 Direction, NW
Time began, 5:05 p. m.
Reduced barometer, 30.37, 7 a. m. 30.24, 7 p. m.
River gage, 6.5 ft.
Relative humidity, 73, 7 a. m. 59, 7 p. m.

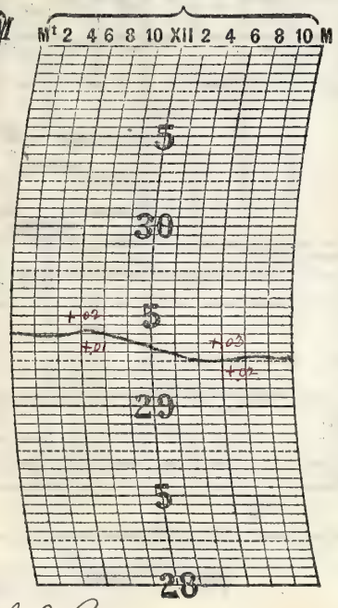
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 39.0 Wet temperature, 32.2
Dew-point, 21 R. humidity, 46 V. pressure, .108
Clouds: Amount, 10; Kind, cu; Direction, NW
Velocity of clouds (miles per hour)

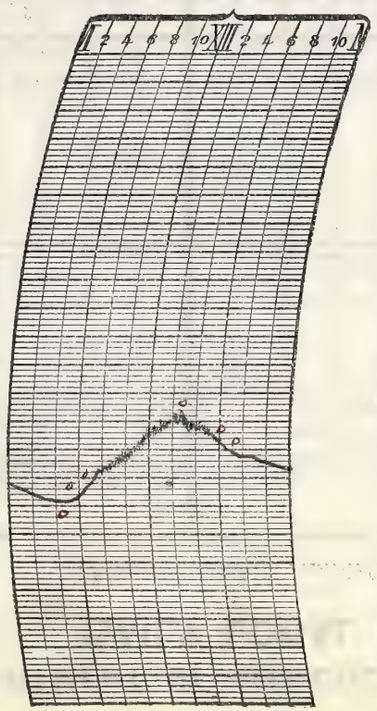
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Freezing temperature in the am temperature 26°; some ice formed! Fruit buds damaged, especially peaches, plums, and cherries, also early varieties. Apples slightly injured. A warning of freezing temperature tonight is issued in advance.

Cold and generally clear weather during the day.

Prepared by A. S. Baker
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) APR 26 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	33	32	31	33	36	37	38	42	45	46	49	51	51	53	53	57	48	44	43	41	39	38
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←						Clear											→
Sunshine (in tenths of hours)					0.25 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5 0					
Wind direction	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W
Wind movement	9	7	10	9	8	9	12	16	18	14	14	14	12	12	12	11	12	10	9	8	5	4	4	4

Sunrise: Time, 4:45; Character, Clear. Moonrise: 7:20 am.

Sunset: Time, 6:32; Character, Clear. Moonset: 2:35 p.m.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	31	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear. Moon phase,

Average daily cloudiness (0-10), 0

Actual sunshine, hours, 13.8. Possible sunshine, hours, 13.8

Per cent of possible sunshine, 100

Prevailing wind direction, NW. Total wind 243

Average hourly velocity, 10.1. Extreme velocity, 22

Maximum velocity, 21. Direction, NW

Time began, 7:59 am.

Reduced barometer, 30.21, 7 a. m. 30.17, 7, p. m.

River gage, 6.4 ft.

Relative humidity, 69, 7 a. m. 42, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 AM.
(Local Mean Time.)

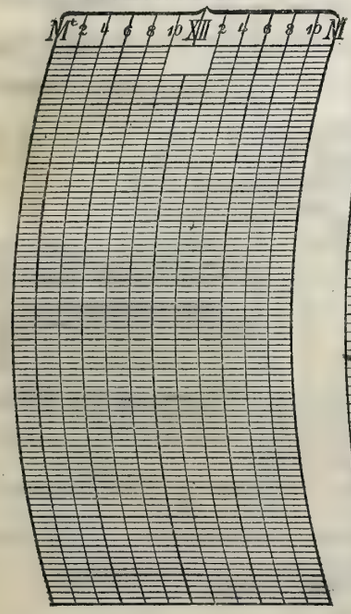
Dry temperature, 48.2. Wet temperature, 37.5

Dew-point, 21. R. humidity, 33. V. pressure, .108

Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

THERMOGRAPH.



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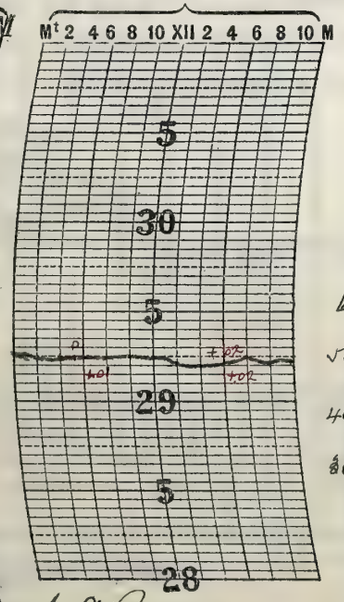

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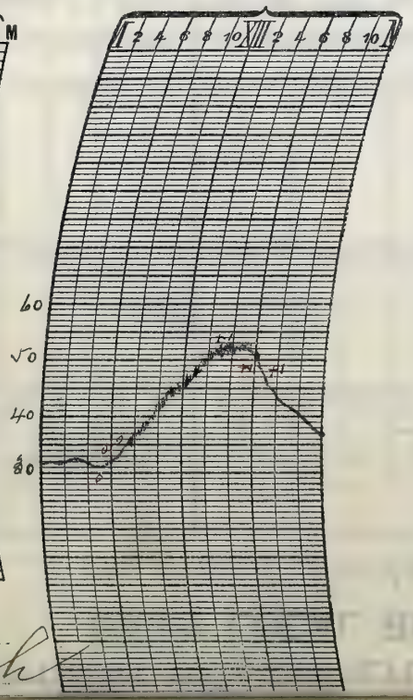


NOTES.

A warning of heavy frost received at 9 am.

A killing frost occurred in the early morning with a minimum temperature of 31°. Ice formed in pools.

The temperature rose steadily from the 8 am observation and reached 54° in the afternoon. Except a few clouds at the 8 am observation, the day was cloudless, and the weather was quite pleasant in the afternoon.

Prepared by A. J. Baxter

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 27 1919, 191

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	34	33	33	31	35	41	43	47	52	55	56	57	58	58	57	56	54	52	51	50	49	47	46
State of weather: Nature of precipitation and time of beginning and ending																	RS 4:20	–	–	–	–	–	–	–
Amounts of precipitation																	T	T	T	T	T	T	T	T
Cloudiness and other conditions					Clear			Pt Cldy					Cloudy											
Sunrise: Time, 4:44 Character, Clear																					Sunset: Time, 6:33 Character, Cloudy			
Moonrise: 2:57 am																					Moonset: 3:48 P.M.			
Sunshine (in tenths of hours)					0.27 0	0.6 0.4	1.0	1.0	1.0	⊙ 1.0	⊙ 1.0	⊙ 1.0	⊙ 0.6	0	0	0	0	0	0					
Wind direction	W	W	W	SW	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	3	4	4	5	5	6	7	9	9	12	14	14	14	13	13	10	10	6	10	10	12	10	9	13
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

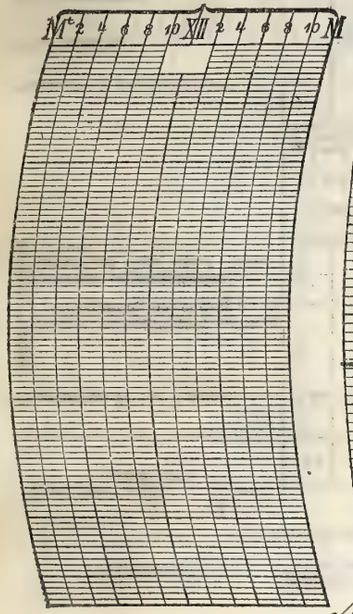
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
58	31	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 7.9 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 57
Prevailing wind direction, SW Total wind 222
Average hourly velocity, 9.2 Extreme velocity, 18
Maximum velocity, 17 Direction, SW
Time began, 10:28 a.m.
Reduced barometer, 30.13 7 a. m. 30.01 7 p. m.
River gage, 6.0 ft
Relative humidity, 55 7 a. m. 54 7 p. m.

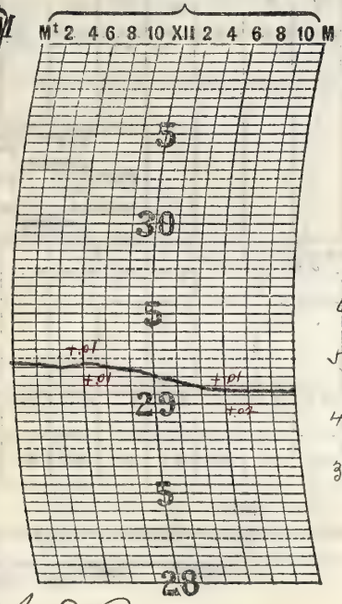
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 58.2 Wet temperature, 44.2
Dew-point, 26 R. humidity, 28 V. pressure, .136
Clouds: Amount, 7/2; Kind, a. St. cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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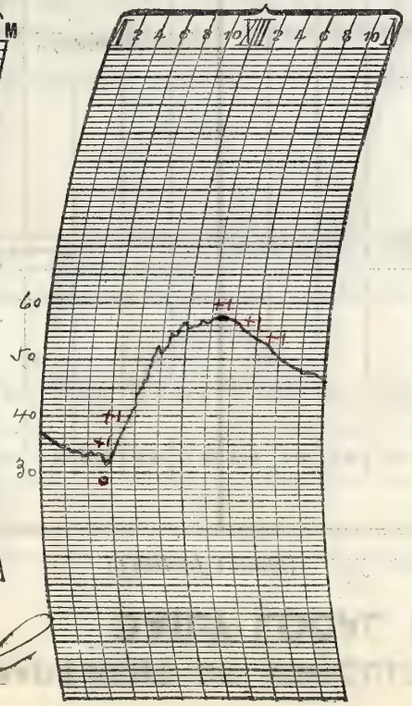


⊙ Sun shining through a. St. Clouds.

NOTES.

A killing frost occurred in the am. with the temperature at 31°
Clear in the early morning but increasing cloudiness during the day, the weather being unsettled with springing rain in the late afternoon and night. Although the temperature rose steadily during the day the weather continued cooler than the seasonal average.

Prepared by A. S. Baxter.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 28 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	46	46	46	47	48	48	49	50	50	51	52
State of weather: Nature of precipitation and time of beginning and ending	-	-	-	-	RE 4:45		RB 6:10 RE 6:55				RB 10:20 RE 10:30	
Amounts of precipitation	.01	.03	.04	T	.01		.01				T	
Cloudiness and other conditions	← Cloudy →											

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	55	55	55	55	53	53	51	50	50	49	47
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← P.Cloudy - Cloudy →											

Sunrise: Time, 4:43 Character, Cloudy
Moonrise: 9:26 am
Sunset: Time, 6:34 Character, Cloudy
Moonset: 5:02 P.m.

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	W	W	W	W	NW	NW	NW
Wind movement	12	11	9	10	9	7	6	6	5	6	5	4
Maximum velocities (exceeding 29 miles) direction and time												

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	55	55	55	55	53	53	51	50	50	49	47
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0.4	0	0	0	0	0	0					
Wind direction	N	N	N	N	N	NE	NE	NE	NE	NE	NE	E
Wind movement	5	7	6	5	5	6	7	10	11	9	5	8
Maximum velocities (exceeding 29 miles) direction and time												

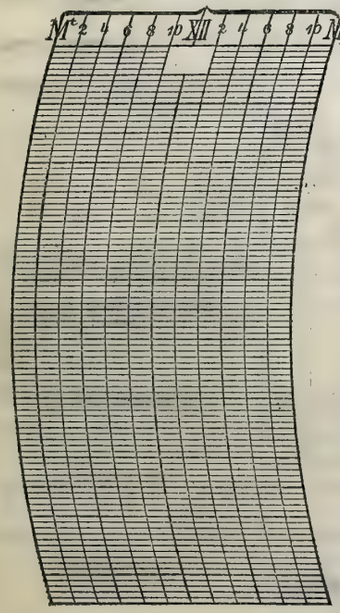
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
56	46	51	

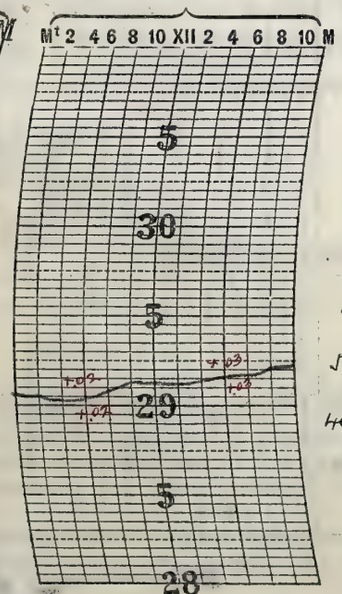
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m.; .10 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.4 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 3
Prevailing wind direction, N.E. Total wind 174
Average hourly velocity, 7.2 Extreme velocity, 15
Maximum velocity, 14 Direction, S.W.
Time began, 12:05 am.
Reduced barometer, 30.00 7 a. m. 30.11, 7, p. m.
River gage, 55 ft
Relative humidity, 89 7 a. m. 75 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 55.5 Wet temperature, 50.0
Dew-point, 46 R. humidity, 68 V. pressure, .310
Clouds: Amount, 7; Kind, cu; Direction, W
Velocity of clouds (miles per hour)

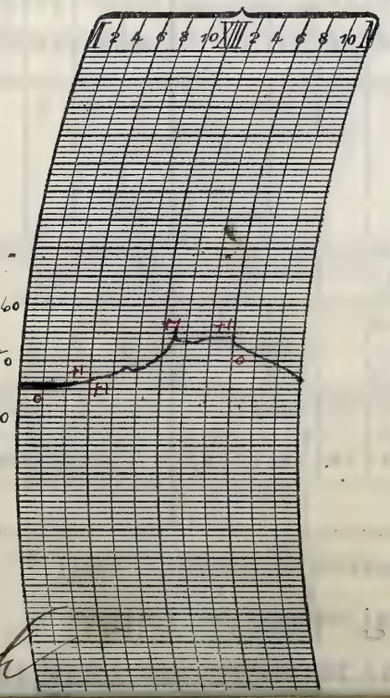
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Moderate temperature obtained during the day. The weather was generally cloudy and threatening, with rain in the forenoon.

Prepared by A. S. Baker
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Tuesday, (Date) APR 29 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	43	42	41	39	40	42	44	46	47	49	51
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Pt. Cloudy						
Sunshine (in tenths of hours)					0	0	0	0	0.2	0.5	1.0	0.9
Wind direction	E	E	NE	NE	NE	NE	NE	E	E	E	E	E
Wind movement	10	12	9	10	9	9	13	15	15	16	13	12
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	55	54	53	51	50	48	46	45	45	44	44
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						→ Cloudy						
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.3	0	0	0					
Wind direction	E	E	E	E	NE	NE	NE	NE	E	E	E	E
Wind movement	12	15	14	14	14	15	15	15	15	14	14	12
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 4:41 Character, Cloudy
Moonrise: 4:03 am
Sunset: Time, 6:35 Character, Cloudy
Moonset: 6:19 P.M.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

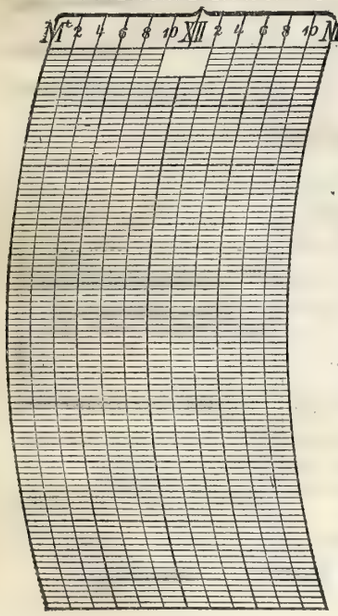
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	39	47	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase, New Moon 11:30 pm
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.9 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 42
Prevailing wind direction, E Total wind 312
Average hourly velocity, 13.0 Extreme velocity, 24
Maximum velocity, 18 Direction, NE
Time began, 8:47 am.
Reduced barometer, 30.20, 7 a. m. 30.08 7 p. m.
River gage, 5.4 ft.
Relative humidity, 75 7 a. m. 57 7 p. m.

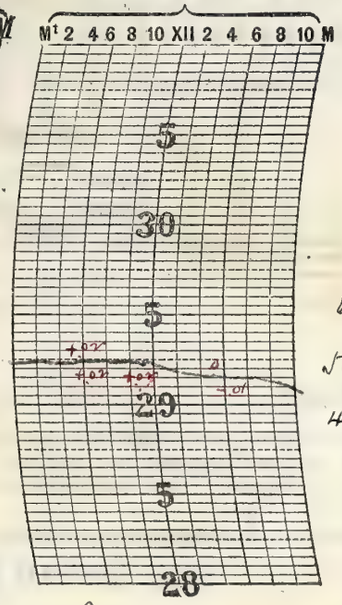
OBSERVATIONS AT ~~12 NOON.~~ 12:38 PM.
(Local Mean Time.)

Dry temperature, 52.0 Wet temperature, 44.2
Dew-point, 35 R. humidity, 53 V. pressure, .203
Clouds: Amount, 2; Kind, Cu; Direction, E
Velocity of clouds (miles per hour)

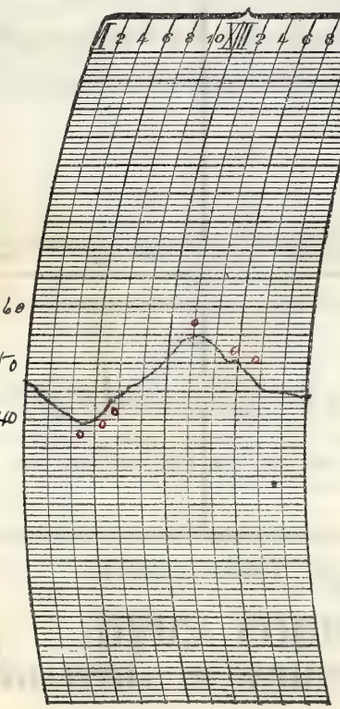
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

There was a deposit of heavy dew in the early morning.
The weather during the day was generally partly cloudy and cloudy at night. Moderate temperatures obtained.

Prepared by H. S. Baker
Verified by C. M. [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

APR 30 1919

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) ....., 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	44	44	43	43	43	43	44	45	46	46	47	48	50	53	52	52	52	52	50	50	50	50	49
State of weather: Nature of precipitation and time of beginning and ending													RB 12:50	RE 1:55			RB 4:55		RE 6:10				RB 10:00	
Amounts of precipitation													T	T			T	T	T				.18	.07
Cloudiness and other conditions						←				Cloudy														→

Sunrise: Time, 4:40 Character, Cloudy

Moonrise: 4:46 am

Sunset: Time, 6:36 Character, Cloudy

Moonset: 7:34 p.m.

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SE	E
Wind movement	12	12	12	13	11	11	10	11	11	10	10	10	10	11	10	8	6	7	9	9	8	7	5	7

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
53	43	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .25 inches.

Character of day, Cloudy Moon phase, ...

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 13.9

Per cent of possible sunshine, 0

Prevailing wind direction, E Total wind 230

Average hourly velocity, 9.6 Extreme velocity, 17

Maximum velocity, 14 Direction, E

Time began, 12:18 am

Reduced barometer, 29.93 7 a. m. 29.80 7 p. m.

River gage, 5.4 ft.

Relative humidity, 68 7 a. m. 76 7 p. m

OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)

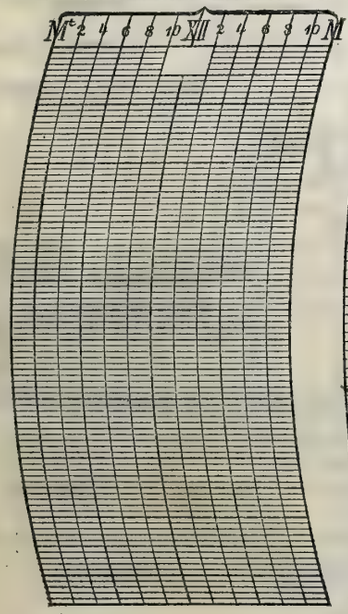
Dry temperature, 49.0 Wet temperature, 44.1

Dew-point, 39 R. humidity, 68 V. pressure, .237

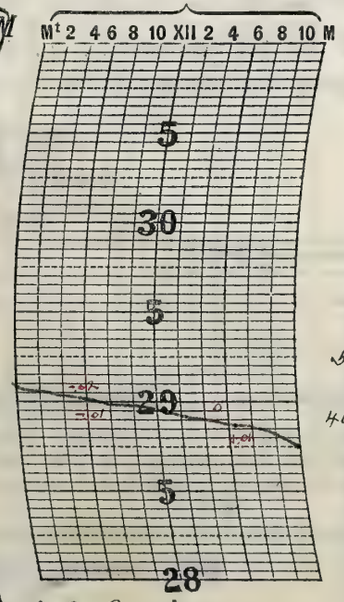
Clouds: Amount, 8; Kind, Cu. St.; Direction, W E

Velocity of clouds (miles per hour)

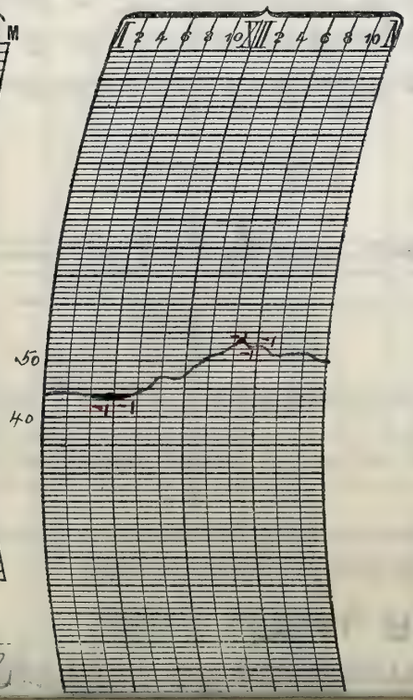
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cloudy and threatening with light rain in the afternoon and moderately heavy rain in the late night. Moderate temperatures obtained.

Prepared by N. S. Baker.

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) May 1, 1919

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	49	54	56	57	53	53	55	53	50	50	51
State of weather: Nature of precipitation and time of beginning and ending	–	–	–	–	–	RE √:34						
Amounts of precipitation	.03	.04	.22	.27	.10	.01						
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	E	E	E	E	S	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	9	6	6	13	18	19	19	21	22	22	21

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	53	51	48	46	45	43	43	43	44	44	44
State of weather: Nature of precipitation and time of beginning and ending		R 13 128 RE 140		R 13 302					RE 845			
Amounts of precipitation		T	.02	.02	.01	T	.03	T	T			
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W
Wind movement	22	20	19	19	23	21	21	17	18	17	15	14

Sunrise: Time, 4:39; Character, Cloudy. Moonrise: 536 am.

Sunset: Time, 6:37; Character, Cloudy. Moonset: 846 P.M.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

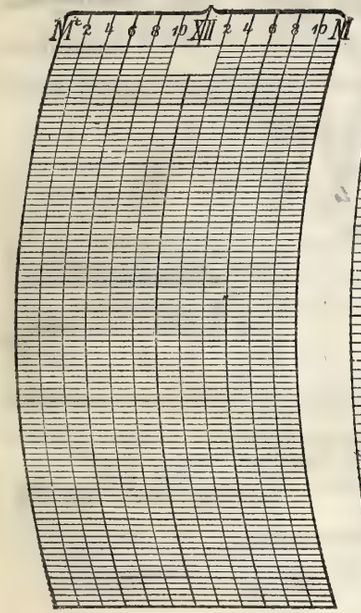
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
56	42	49	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .92 ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, .75 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0. Possible sunshine, hours, 14.0
Per cent of possible sunshine, 0
Prevailing wind direction, SW. Total wind 409
Average hourly velocity, 17.0. Extreme velocity, 29
Maximum velocity, 27. Direction, SW
Time began, 11:14 am
Reduced barometer, 29.51, 7 a. m. 29.70, 7 p. m.
River gage, 4.8 ft.
Relative humidity, 90, 7 a. m. 88, 7 p. m.

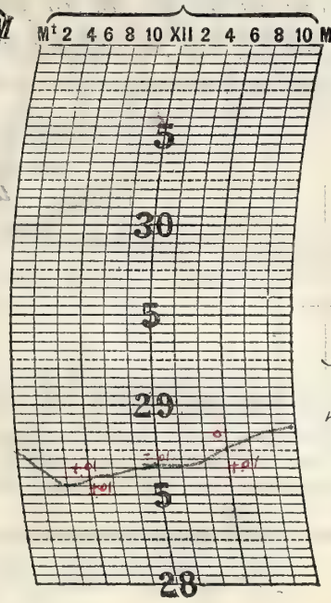
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 51.8. Wet temperature, 48.3
Dew-point, 45. R. humidity, 78. V. pressure, .298
Clouds: Amount, 10; Kind, St-Cu.; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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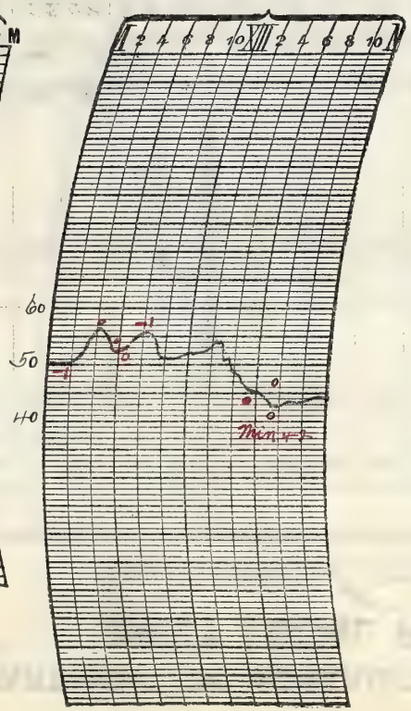


Prepared by H S Baker
Verified by P. McDonough

8—486

NOTES.

* Rain gage failed to record and hourly amounts were estimated.

Cool and Cloudy with rain in the early morning, afternoon, and night

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Friday, (Date) May 2, 1919.

Time (local standard). 90 mer. normal time

A. M.	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	45	45	44	44	44	46	48	50	52	53	56
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)					0.38 0	1.0 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0
Wind direction	W	W	SW	SW	SW	SW	W	W	W	W	W	W
Wind movement	13	13	12	12	13	13	17	19	22	23	23	21
Maximum velocities (exceeding 29 miles) direction and time												

P. M.	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	60	61	62	61	60	58	56	54	53	52	52
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.6	0	0					
Wind direction	W	W	W	W	W	W	W	W	NE	E	E	SE
Wind movement	20	20	18	18	15	11	4	4	3	4	5	6
Maximum velocities (exceeding 29 miles) direction and time												

Cloudiness: 1 — Clear — 1 Cloudy 7

Sunrise: Time 4:39, Character, Clear
Moonrise: 6:37 am
Sunset: Time 6:38, Character, Cloudy
Moonset: 9:49 P.M.

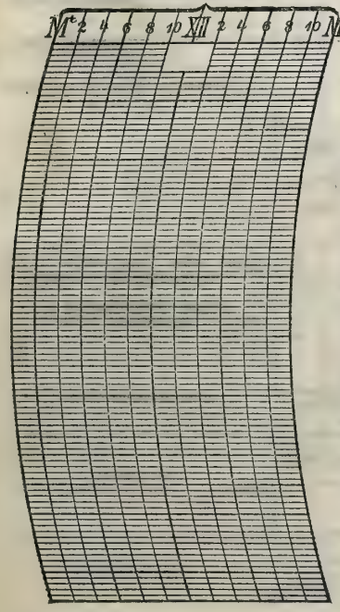
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
62	44	53	

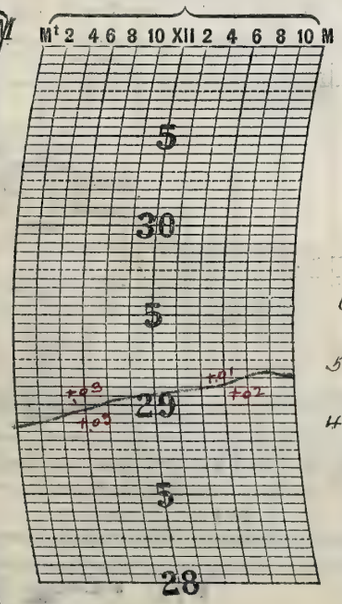
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.0 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 86
Prevailing wind direction, W Total wind 329
Average hourly velocity, 13.7 Extreme velocity, 30
Maximum velocity, 27 Direction, W
Time began, 10:10 a.m.
Reduced barometer, 29.96 7 a. m. 30.07 7, p. m.
River gage, 7.0 feet
Relative humidity, 69 7 a. m. 39 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 57.0 Wet temperature, 45.8
Dew-point, 33 R. humidity, 40 V. pressure, .187
Clouds: Amount, Few; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

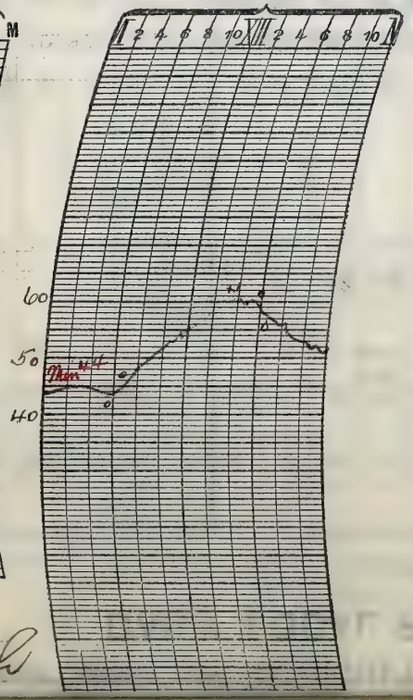
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cool in the early morning, but the temperature rose steadily during the day. The weather was clear and quite pleasant but clouds formed quite rapidly after 6 pm, the night being cloudy.

Prepared by N S Baker.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 3 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	50	50	48	48	46	46	47	50	53	56	57
State of weather: Nature of precipitation and time of beginning and ending			RB 2:30					RE 7:45			RB 10:50	RE 11:20
Amounts of precipitation			T	.02	.02	.17	.06	T			.01	T
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character	4:36 Cloudy											
Moonrise	4:35 am.											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	SE	E	E	E	E	E	E	E	E	E	E	E
Wind movement	4	7	9	9	10	10	12	14	12	11	10	7
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	68	67	68	63	67	66	65	65	64	63	61
State of weather: Nature of precipitation and time of beginning and ending		RB 1:50					RE 6:10					
Amounts of precipitation		T	.01	T	.08	T	T					
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character									6:39 Cloudy			
Moonset									10:43 P.M.			
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	17	26	19	18	18	13	12	8	8	7	7	3
Maximum velocities (exceeding 24 miles) direction and time		34 S 1:06										

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

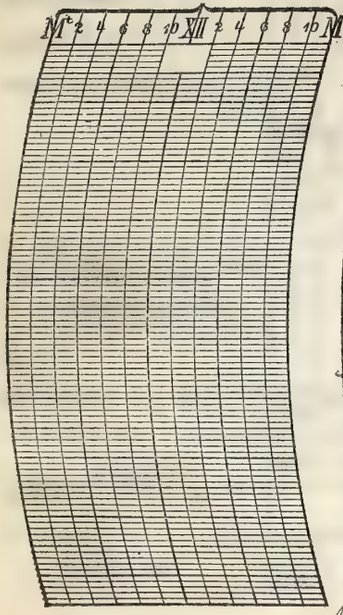
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	45	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .26 ins.; to 7 p. m., .11 ins.
Total precipitation, midnight to midnight, .37 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 271
Average hourly velocity, 11.3 Extreme velocity, 38
Maximum velocity, 34 Direction, S
Time began, 1:06 P.M.
Reduced barometer, 30.06, 7 a. m. 29.87, 7 p. m.
River gage, 7.5 ft.
Relative humidity, 86, 7 a. m. 75, 7 p. m.

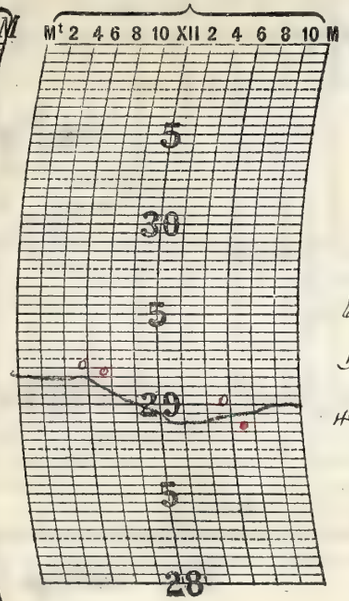
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 67.0 Wet temperature, 58.7
Dew-point, 52 R. humidity, 59 V. pressure, .387
Clouds: Amount, 7; Kind, Strat.; Direction, SW.
Velocity of clouds (miles per hour)

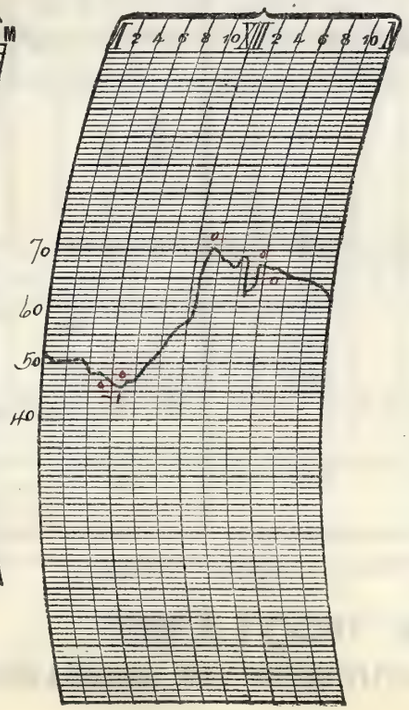
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Moderately warm and cloudy with light rain the day as a whole being rather unpleasant

Prepared by H. S. Baker
Verified by C. M. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 4 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	56	54	52	50	52	55	58	58	59	62	66
State of weather: Nature of precipitation and time of beginning and ending								RB 7:30	—	RE 9:45	RB 10:43	RE 11:50
Amounts of precipitation								.16	.01	.14	T	T
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	4:35 Cloudy											
Moonrise:	8.42 am											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	SW	NE	E	E	E	E	SE	S	W	S	S	SW
Wind movement	3	6	7	7	7	8	4	9	5	9	12	13
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	74	71	68	68	68	65	61	61	60	60	60
State of weather: Nature of precipitation and time of beginning and ending			RB 2:30	—	—	—	—	—	—	—	—	RE TN
Amounts of precipitation			.01	T	T	.01	.20	.24	.05	.16	.04	T
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									6:40 Cloudy			
Moonset:									11:29 P.M.			
Sunshine (in tenths of hours)	0.8	0.7	0	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	S	S	SW	SW	SW	W	NW
Wind movement	17	21	17	6	5	7	11	11	11	7	8	7

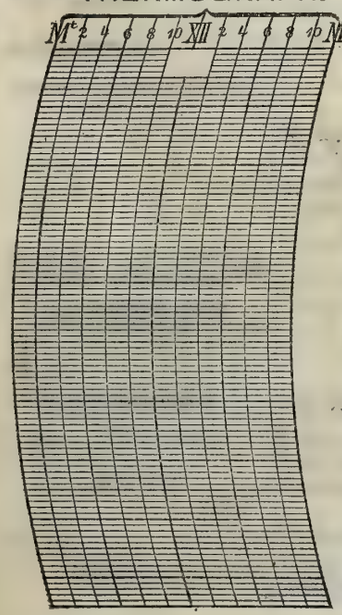
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
74	50	62	✓

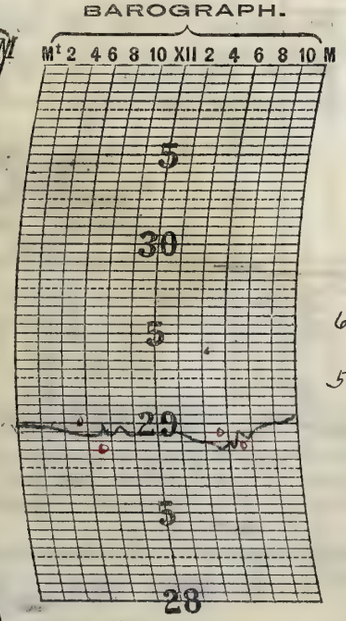
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m.; .33 ins.
Total precipitation, midnight to midnight, 1.02 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.5 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 11
Prevailing wind direction, SW Total wind 218
Average hourly velocity, 9.1 Extreme velocity, 30
Maximum velocity, 26 Direction, SW
Time began, 6:56 p.m.
Reduced barometer, 29.86 7 a. m. 29.78 7 p. m.
River gage, 7.8 ft.
Relative humidity, 94 7 a. m. 85 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 68.0 Wet temperature, 62.5
Dew-point, 59 R. humidity, 74 V. pressure, .499
Clouds: Amount, 7; Kind, Strat; Direction, SW
Velocity of clouds (miles per hour)

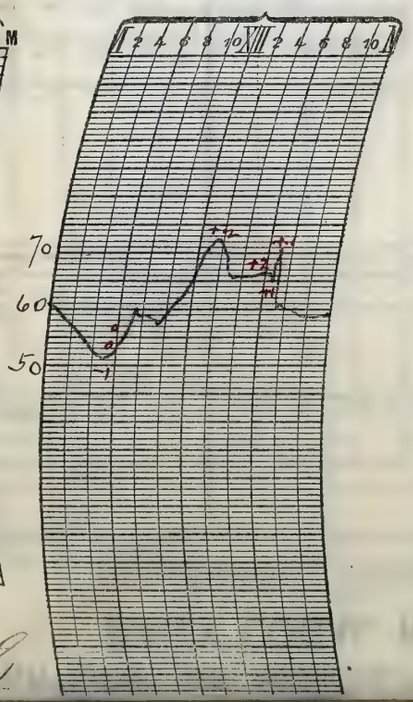
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Quite warm and cloudy with rain during a considerable part of the day, being moderately heavy during the early night.

Two thunderstorms occurred - The first, from 7:30 to 9 am, was of moderate intensity, but the second storm was quite severe and lasted from 4 pm until the late night; both storms moved from the southwest.

Prepared by N S Baker

Verified by J M McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 5 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	56	55	54	53	51	50	51	50	51	50	50	53	55	54	50	50	49	49	49	47	46	45	44
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Cloudy																		
Sunrise: Time, Character,	4:33 Cloudy																				Sunset: Time, Character,	6:41 Cloudy		
Moonrise:	9:48 am																				Moonset:	—		
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Wind direction	NW	NW	NW	NW	N	N	N	N	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E
Wind movement	7	8	7	9	6	7	6	9	10	11	13	12	11	11	11	13	13	13	10	10	7	9	6	5
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

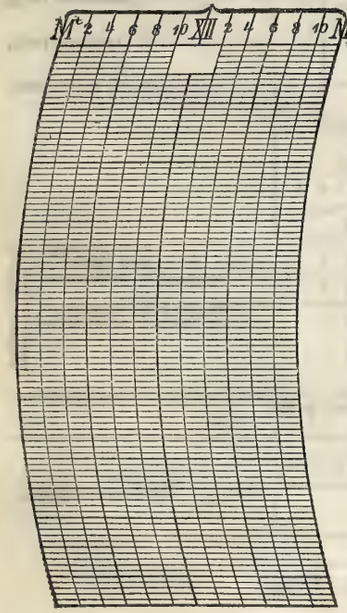
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	44	53	

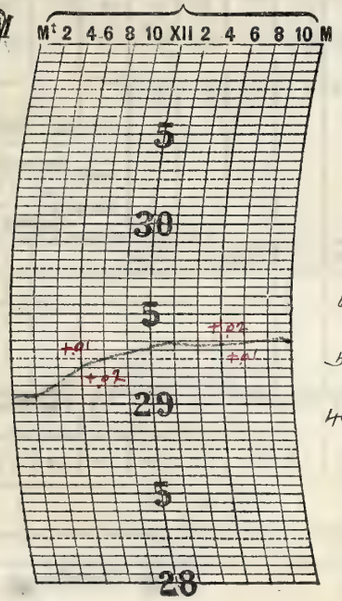
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .69 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 0
Prevailing wind direction, N.E Total wind 224
Average hourly velocity, 9.3 Extreme velocity, 17
Maximum velocity, 16 Direction, NE
Time began, 5:26 p.m.
Reduced barometer, 30.14 7 a. m. 30.26 7 p. m.
River gage, 15.5 ft.
Relative humidity, 87 7 a. m. 72 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 50.8 Wet temperature, 47.3
Dew-point, 44 R. humidity, 78 V. pressure, .287
Clouds: Amount, 10; Kind, St.Cu.; Direction, NE
Velocity of clouds (miles per hour)

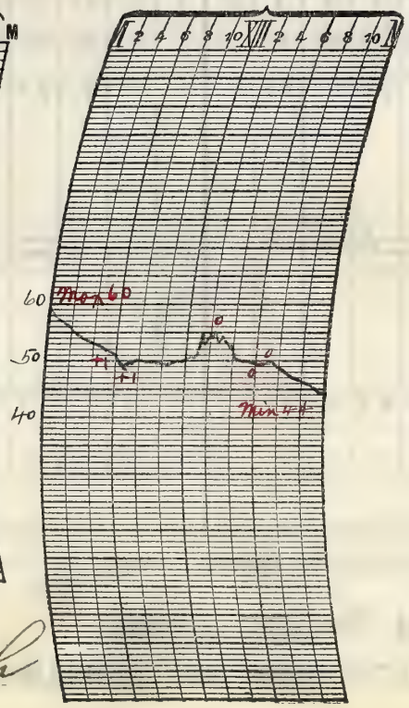
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Day cool and Cloudy, but Night clear with Moonlight. The river reached flood stage in the early morning - Lowlands under water.

A warning of probably frost tonight was included in the 11th Forecast.

Prepared by N. S. Boyer
Verified by J. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 6 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	42	41	40	39	41	44	47	49	53	57	60
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					← Clear →							
Sunshine (in tenths of hours)					0.4 / 0	1.0 / 0	0.4 / 0.1	0.6	0.8	1.0	1.0	1.0
Wind direction	E	E	E	E	NE	NE	E	E	E	E	E	E
Wind movement	10	11	13	11	9	9	11	12	11	10	9	8
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	65	67	69	68	68	66	60	60	61	62	62
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt. Cloudy →							
Sunshine (in tenths of hours)	1.0	0.9	1.0	0.8	0	0	0					
Wind direction	SE	SE	SE	SE	SE	E	E	E	E	E	SE	S
Wind movement	7	8	6	5	5	6	6	7	6	4	2	6
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 4:32 Character, Clear
Moonrise: — — —

Sunset: Time, 6:42 Character, Cloudy
Moonset: 12:07 am

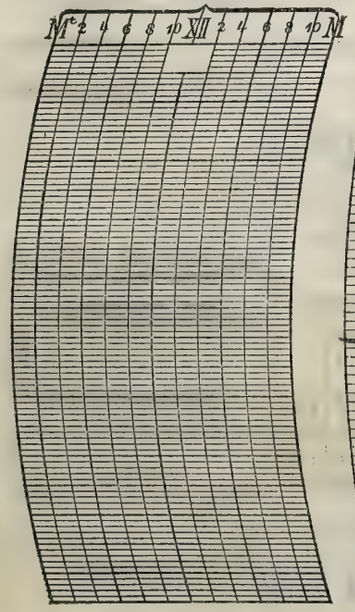
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	39	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase, First Quarter 5:34 pm
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 10.1 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 71
Prevailing wind direction, E Total wind 192
Average hourly velocity, 8.0 Extreme velocity, 17
Maximum velocity, 15 Direction, E
Time began, 7:03 am
Reduced barometer, 30.26, 7 a. m., 29.96, 7 p. m.
River gage, 19.0 ft.
Relative humidity, 81, 7 a. m. 77, 7 p. m.

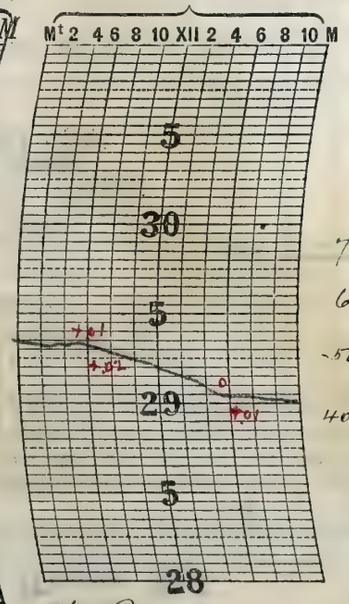
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 63.8 Wet temperature, 56.0
Dew-point, 50 R. humidity, 62 V. pressure, .360
Clouds: Amount, 5; Kind, Ci St Cu St; Direction, W W
Velocity of clouds (miles per hour)

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

THERMOGRAPH.



BAROGRAPH.



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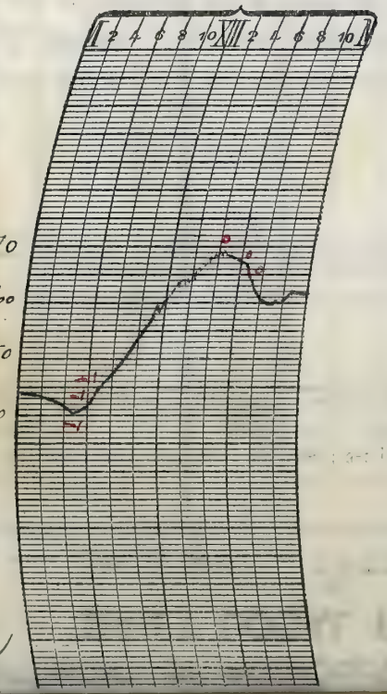


Prepared by W. S. Baker
Verified by P. McDonough

NOTES.

Cool in the morning but temperature rose steadily during the day. Increasing cloudiness from the early morning, the day being generally partly cloudy. Cirro-stratus and alto-stratus clouds prevailed. The day was fine and pleasant. The river crested at 19.0 feet at 7 a.m. No damage.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 7 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	61	60	61	60	60	61	57	57	59	61	62
State of weather: Nature of precipitation and time of beginning and ending							RB 6:55	RE 7:05				
Amounts of precipitation							T	T				
Cloudiness and other conditions	Cloudy								Pt. Cloudy			

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	64	64	64	63	62	57	56	55	53	52	51
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear						Pt. Cloudy					

Sunrise: Time, 4:31 Character, Cloudy

Moonrise: - - -

Sunset: Time, 6:43 Character, Cloudy

Moonset: 12:40 am

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0	0.1	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	W	W	W	NW	NW	NW	NW	W
Wind movement	8	8	9	10	10	11	9	14	11	12	9	12
Maximum velocities (exceeding 29 miles) direction and time												

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.9	0	0					
Wind direction	NW	NW	NW	NW	NW	NW	N	N	N	N	N	N
Wind movement	10	14	12	13	12	9	9	7	7	6	6	7
Maximum velocities (exceeding 29 miles) direction and time												

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
62	51	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 8.0 Possible sunshine, hours, 14.2

Per cent of possible sunshine, 56

Prevailing wind direction, NW Total wind 235

Average hourly velocity, 9.8 Extreme velocity, 20

Maximum velocity, 18 Direction, NW

Time began, 7:40 am.

Reduced barometer, 29.94 7 a. m. 30.07 7 p. m.

River gage, 17.4

Relative humidity, 87 7 a. m. 59 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

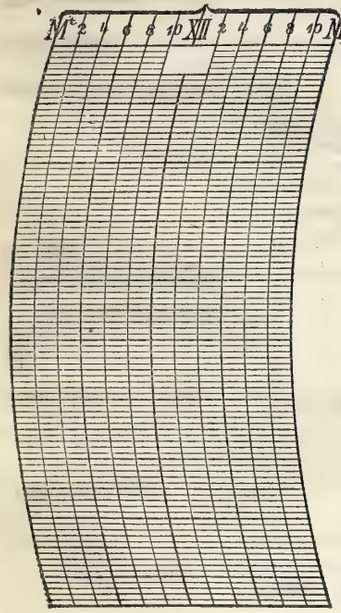
Dry temperature, 62.5 Wet temperature, 50.0

Dew-point, 38 R. humidity, 40 V. pressure, .228

Clouds: Amount, Few; Kind, A. St.; Direction, NW.

Velocity of clouds (miles per hour)

THERMOGRAPH.



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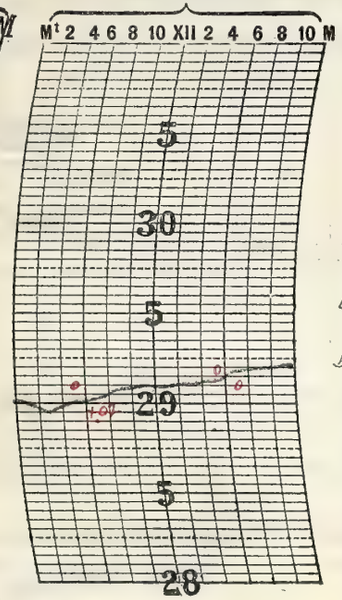

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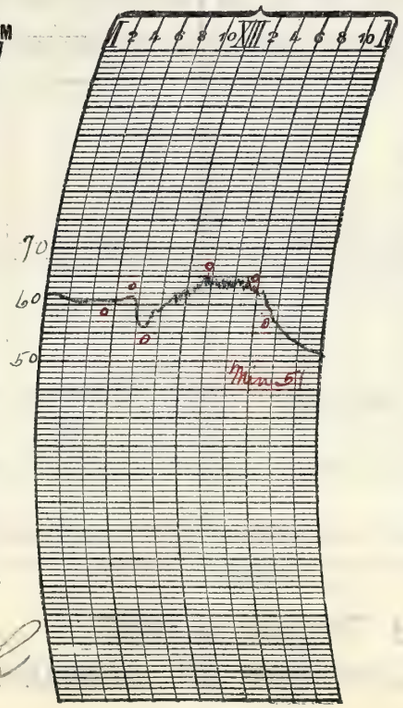


NOTES.

The river fell sharply during the last 24 hours, but lowlands still flooded.

There was considerable cloudiness during the day and night, with moonlight at night through the rifts in the clouds. The day was pleasantly warm.

A warning of light frost tonight was included in the a. m. forecast.

Prepared by H S Baker

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAY 8 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	49	49	49	48	47	47	48	48	48	47	47
State of weather. Nature of precipitation and time of beginning and ending											RB 10:00	–
Amounts of precipitation											T	.02
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	9	10	10	13	15	13	12	16	15	13	16	14

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	47	47	47	46	46	45	45	44	44	45	45
State of weather. Nature of precipitation and time of beginning and ending	–	–	–	–	–	–	–	–	–	–	RE IN	
Amounts of precipitation	.01	.01	.02	.02	.04	.10	.02	.02	.01	.01	T	
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	15	18	16	16	17	14	14	14	15	16	15	13

Sunrise: Time, 4:30 Character, Cloudy
Moonrise: 12:58 P.m.

Sunset: Time, 6:44 Character, Cloudy
Moonset: 1.09 am

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

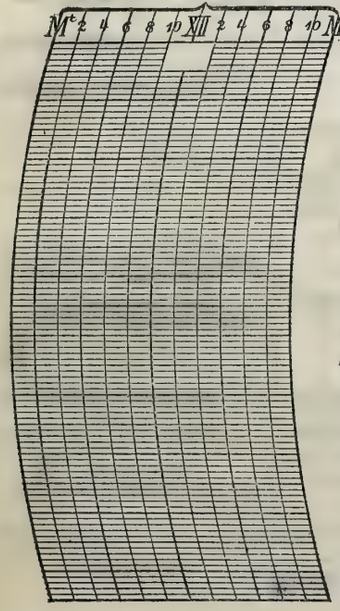
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
51	44	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .24 ins.
Total precipitation, midnight to midnight, .28 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind 339
Average hourly velocity, 14.1 Extreme velocity, 25
Maximum velocity, 23 Direction, N.E.
Time began, 1:54 p.m
Reduced barometer, 30.16, 7 a. m. 30.12, 7, p. m.
River gage, 14.3 ft.
Relative humidity, 83, 7 a. m. 94 7 p. m.

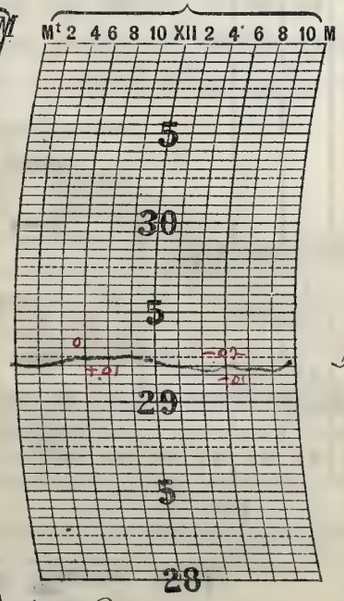
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 47.0 Wet temperature, 44.5
Dew-point, 42 R. humidity, 83 V. pressure, .266
Clouds: Amount, 10; Kind, Nb; Direction, NE
Velocity of clouds (miles per hour)

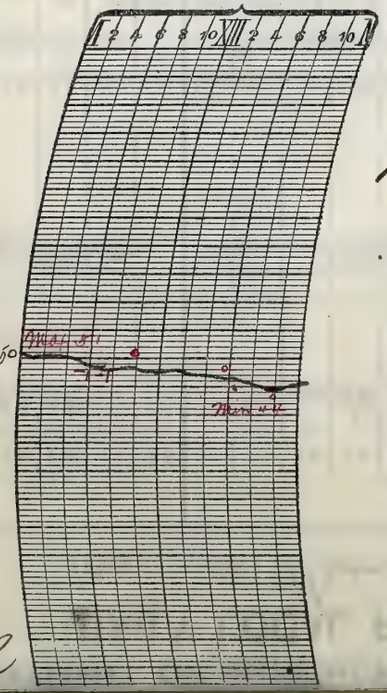
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The rain fell 2.1 feet during the preceding 24 hours, bringing the flood waters within the banks of the river.
Cool, Cloudy and unpleasant weather, with rain from 10 am

Prepared by A. S. Baker
Verified by J. McDonough

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAY 9 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	45	45	45	45	45	46	47	48	49	51	53	53	53	53	52	51	52	51	50	50	50	49	49
State of weather: Nature of precipitation and time of beginning and ending																RB 3:30 RE 3:40								
Amounts of precipitation																T								
Cloudiness and other conditions	← Cloudy →																							

Sunrise: Time, 4:29; Character, Cloudy. Moonrise: 1:58 P.M.

Sunset: Time, 6:45; Character, Cloudy. Moonset: 1:36 am

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0.4	⊗ 0.4	0	0	0	0	0	0					
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	14	16	14	14	14	16	16	19	18	17	18	21	22	23	24	25	23	18	20	18	16	18	19	20
Maximum velocities (exceeding 29 miles) direction and time															31 NE 2:01	32 NE 3:07								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

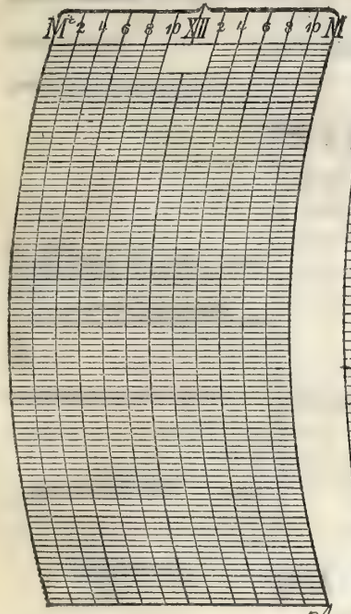
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	45	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.8. Possible sunshine, hours, 14.3
Per cent of possible sunshine, 6
Prevailing wind direction, NE. Total wind 443
Average hourly velocity, 18.5. Extreme velocity, 35
Maximum velocity, ⊗ 32. Direction, NE
Time began, 3:07 p.m.
Reduced barometer, 30.14, 7 a. m. 30.07, 7 p. m.
River gage, 12.6 ft.
Relative humidity, 77, 7 a. m. 69, 7 p. m.

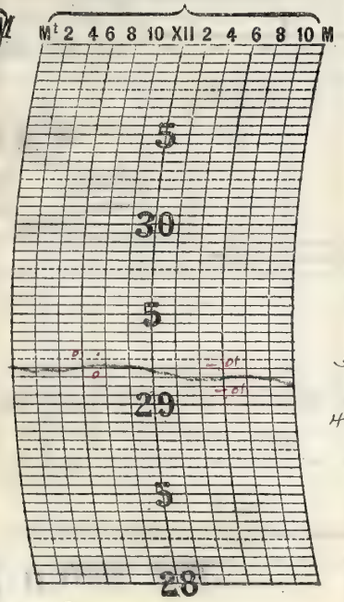
OBSERVATIONS AT ~~12 NOON~~ 1:38 PM (Local Mean Time.)

Dry temperature, 53.4. Wet temperature, 48.9
Dew-point, 45. R. humidity, 73. V. pressure, .298
Clouds: Amount, 3; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

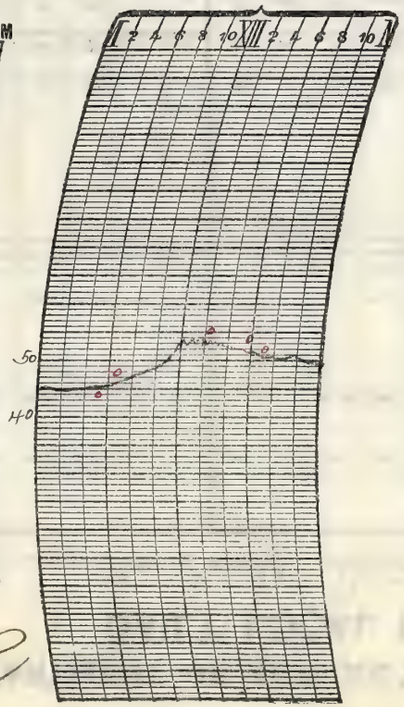
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



⊗ Sun shining through detached clouds
⊗ For 23 hours and 10 minutes

NOTES.

The weather was cloudy and unpleasantly cold during the day.

A warning of light frost tonight was included in the a. m. forecast.

Prepared by H S Baker.
Verified by F. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 10 1919, 191

Time (local standard) 90th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	48	48	48	48	48	49	48	50	51	52	53	53	54	54	54	53	53	52	51	51	50	50	49
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Cloudy →																							
	Sunrise: Time, 4:28; Character, Cloudy. Moonrise: 2:58 p.m.																				Sunset: Time, 6:46; Character, Cloudy. Moonset: 2:03 am.			
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0.1*	0	0	0	0	0	0	0					
Wind direction	NE	NE	NE	NE	N	N	N	N	N	NE	NE	NE	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	18	18	15	13	11	10	11	11	8	12	12	11	8	10	9	10	8	10	7	7	7	9	5	4
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	48	51	—

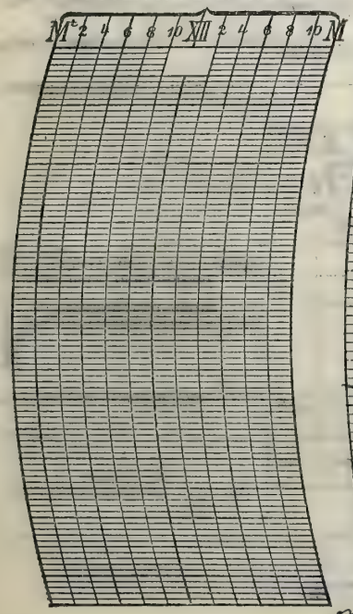
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.1 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 1
Prevailing wind direction, N Total wind 244
Average hourly velocity, 10.2 Extreme velocity, 23
Maximum velocity, 22 Direction, NE
Time began, 1:02 am
Reduced barometer, 30.04 7 a. m. 30.07 7 p. m.
River gage, 11.0 ft.
Relative humidity, 87 7 a. m. 78 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

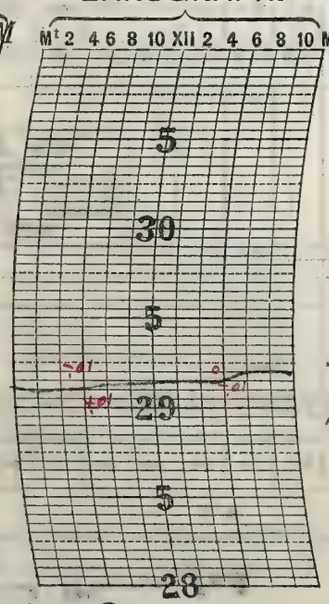
Dry temperature, 54.1 Wet temperature, 47.8
Dew-point, 42 R. humidity, 63 V. pressure, .266
Clouds: Amount, 10; Kind, St. Cu.; Direction, N
Velocity of clouds (miles per hour)

* Sun shining through detached clouds.

THERMOGRAPH.



BAROGRAPH.



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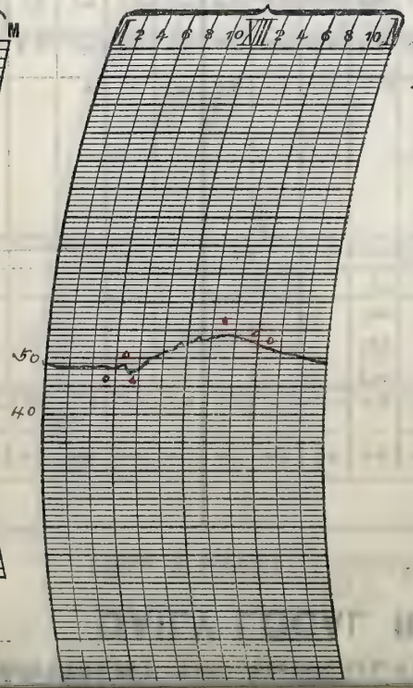


NOTES.

A warning of light frost in low places was included in the day forecast.
Cool and cloudy weather

Prepared by A. S. Baker
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 11 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	47	47	46	45	45	45	46	46	48	48	51	52	53	56	57	56	56	55	54	52	49	49	47
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
Sunshine (in tenths of hours)					0	0	0	0	0	0.1	0	0.3	0	0.7	0.7	0.7	0.5	0	0					
Wind direction	N	N	N	N	N	N	N	NE	NE	N	N	N	N	N	NE	NE	NE	N	N	N	NW	NW	N	NE
Wind movement	5	4	6	6	9	7	10	12	9	7	10	8	9	10	12	10	10	5	3	4	8	7	10	8
Maximum velocities (exceeding 29 miles) direction and time																								

Cloudy — Pt Cloudy — Clear — Pt Cloudy

Sunrise: Time, 4:27 Character, Cloudy

Moonrise: 3:56 P.M.

Sunset: Time, 6:47 Character, Cloudy

Moonset: 2:29 A.M.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	45	51	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10), 7

Actual sunshine, hours, 3.0 Possible sunshine, hours, 14.3

Per cent of possible sunshine, 21

Prevailing wind direction, N Total wind 189

Average hourly velocity, 7.9 Extreme velocity, 17

Maximum velocity, 15 Direction, N

Time began, 6:28 a.m.

Reduced barometer, 30.15, 7 a. m. 30.12, 7 p. m.

River gage, 8.8 ft

Relative humidity, 65, 7 a. m. 55, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

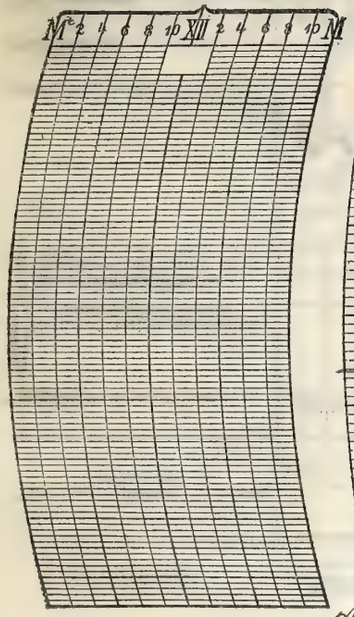
Dry temperature, 50.5 Wet temperature, 43.5

Dew-point, 36 R. humidity, 56 V. pressure, .211

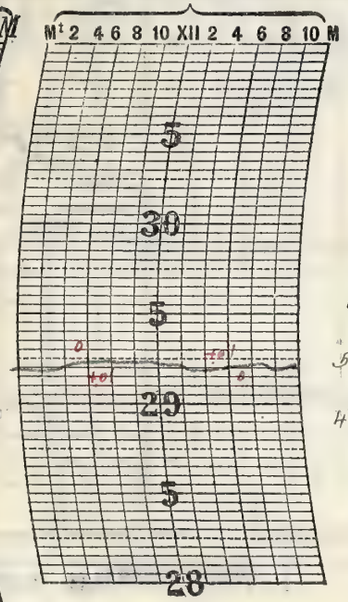
Clouds: Amount, 8; Kind, Cu; Direction, N

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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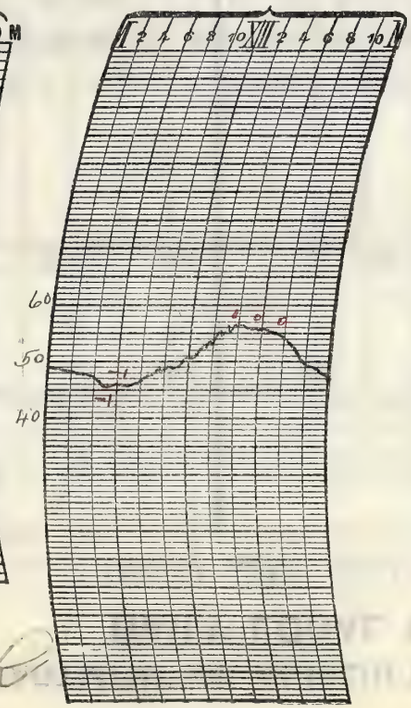


Prepared by A. S. Baker

Verified by F. McDonough

8—486

⊗ Sun shining through detached clouds

NOTES.

Cool with much Cloudiness; some moonlight through the night in clouds in the early night, but the late night was generally Clear

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 12 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	43	42	41	40	42	43	45	46	44	44	46
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear		Pt. cldy		Cloudy		
Sunshine (in tenths of hours)					0.5	1.0	[illegible]	0.4	0	0	0	0
Wind direction	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	8	9	7	5	5	3	7	8	11	10	11	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	51	54	53	52	52	51	48	47	46	45	43
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Pt. cloudy								
Sunshine (in tenths of hours)	0.2	0.5	1.0	0.8	0.2	0	0					
Wind direction	NE	NE	NE	NE	NE	E	E	E	E	E	E	E
Wind movement	9	11	14	11	12	9	6	5	7	6	6	7

Sunrise: Time, 4:26; Character, Clear. Moonrise: 4:54 P.m.

Sunset: Time, 6:49; Character, Cloudy. Moonset: 2:57 am

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	40	47	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 5.2 Possible sunshine, hours, 14.4

Per cent of possible sunshine, 36

Prevailing wind direction, NE Total wind 195

Average hourly velocity, 8.1 Extreme velocity, 20

Maximum velocity, 18 Direction, NE.

Time began, 2:09 p.m.

Reduced barometer, 30.19 7 a. m. 30.14 7, p. m.

River gage, 7.1 ft.

Relative humidity, 77 7 a. m. 70 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

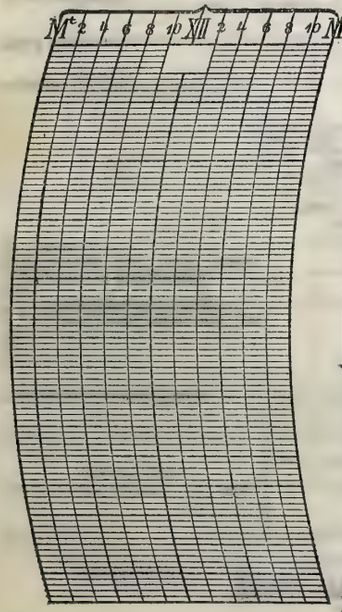
Dry temperature, 44.8 Wet temperature, 41.3

Dew-point, 37 R. humidity, 75 V. pressure, .219

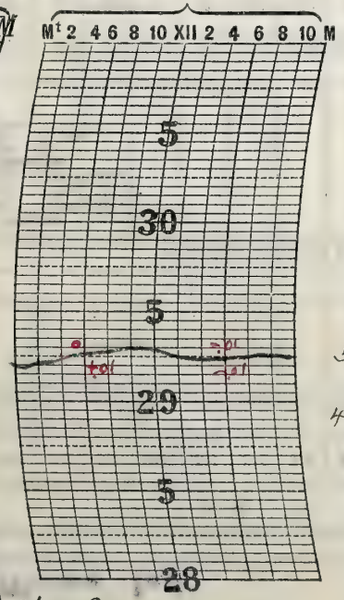
Clouds: Amount, 10; Kind, Stcu; Direction, NE

Velocity of clouds (miles per hour)

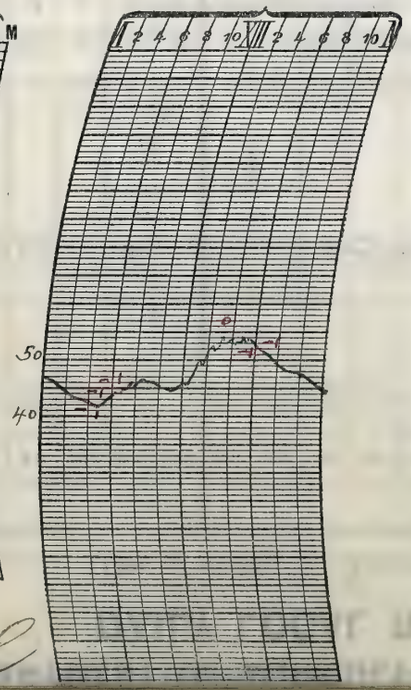
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by W. S. Baker

Verified by J. M. Donough

NOTES.

* Sun shining through detached clouds

Light frost occurred in the early morning but no damage to crops. Cool and partly cloudy weather with moonlight at night.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 13 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	40	40	39	39	47	45	48	50	54	56	58	60	63	64	65	65	63	61	59	58	56	55	53
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Clear →								← Pt. Cloudy →				← Clear →							
Sunshine (in tenths of hours)					0.55 0	1.0 0	0.6 0.4	0.9	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0	0					
Wind direction	NE	NE	NE	NE	NE	NE	E	E	E	E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	5	5	7	6	6	8	11	14	14	15	15	16	16	16	17	14	14	10	5	6	6	6	6	6
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 4:25; Character, Clear. Moonrise: 5:52 p.m.

Sunset: Time, 6:50; Character, Cloudy. Moonset: 3:28 a.m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

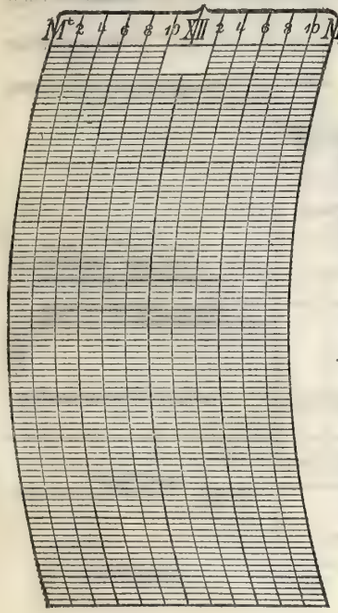
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	39	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 12.3 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 85
Prevailing wind direction, NE Total wind 244
Average hourly velocity, 10.2 Extreme velocity, 23
Maximum velocity, 21 Direction, NE
Time began, 1:47 p.m.
Reduced barometer, 30.15, 7 a. m. 30.01, 7 p. m.
River gage, 61 ft.
Relative humidity, 75, 7 a. m. 52, 7 p. m.

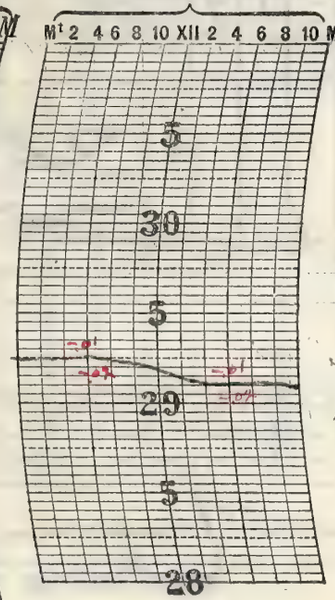
OBSERVATIONS AT ~~12 NOON.~~ 12:25 P.M.
(Local Mean Time.)

Dry temperature, 59.4 Wet temperature, 50.0
Dew-point, 41 R. humidity, 51 V. pressure, .256
Clouds: Amount, 4; Kind, Cu. St Cu; Direction, NE
Velocity of clouds (miles per hour)

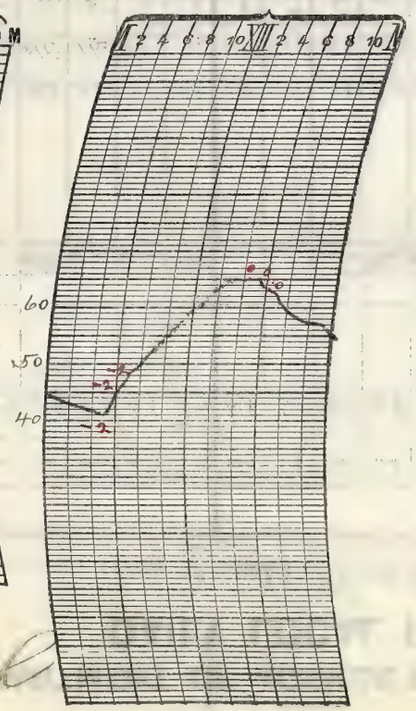
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light frost in the a. m.
Early morning and night clear but partly cloudy during the middle hours. Moonlight at night. Moderate temperatures during the afternoon, but the early morning was cool.

Prepared by A. S. Baker
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 14 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	51	50	50	50	52	54	57	59	63	66	67	68	68	70	69	66	64	59	59	59	58	55	52
State of weather: Nature of precipitation and time of beginning and ending																	RB 4:05		RE 6:05					
Amounts of precipitation																	T	.01	T					
Cloudiness and other conditions						Cloudy			PtCldy			Clear			PtCldy		Cldy		PtCldy					

Sunrise: Time, 4:24; Character, Cloudy. Moonrise: 6:51 P.m.

Sunset: Time, 6:51; Character, Cloudy. Moonset: 4:01 am

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0	0.1	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0	0	0					
Wind direction	N	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	N	NE	NE	NE	NE	SW	S	N	NW	NW	NW	NW	NW
Wind movement	7	8	6	8	7	6	6	5	4	5	6	7	8	7	6	5	10	8	5	5	5	12	20	16
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

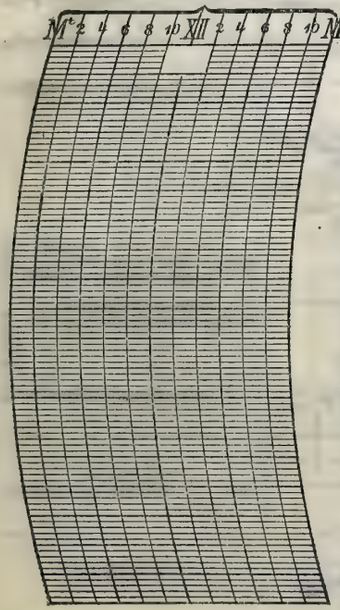
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	50	60	

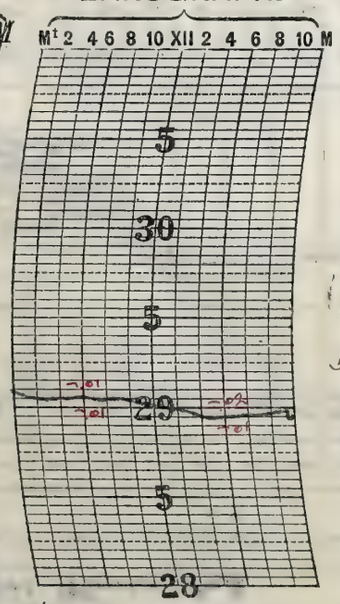
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, PtCloudy Moon phase, Full Moon 7:01 pm
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 6.3 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 44
Prevailing wind direction, NE Total wind 182
Average hourly velocity, 7.6 Extreme velocity, 26
Maximum velocity, 25 Direction, NW
Time began, 11:01 pm.
Reduced barometer, 29.95, 7 a. m. 29.85, 7 p. m.
River gage, 5.5 ft.
Relative humidity, 58, 7 a. m. 70, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 69.0 Wet temperature, 54.0
Dew-point, 41 R. humidity, 36 V. pressure, .256
Clouds: Amount, few; Kind, cu; Direction, NE
Velocity of clouds (miles per hour)

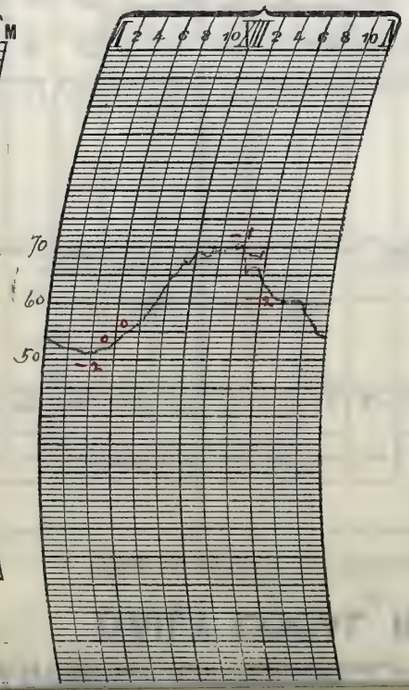
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Partly cloudy and moderately warm weather, with a thundershower from 5:30 pm to 6:05 pm.
A rainbow was observed at 6 pm.
First thunder heard at 5:30 pm; last heard at 6:00 pm; storm came from the southwest.

Prepared by H. S. Baker
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAY 15 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	50	48	47	46	48	51	56	63	64	65	67	70	74	70	68	68	68	67	63	62	61	61	60
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←					Clear					X		Pt. Cloudy				→			
Sunrise: Time, Character	4:23 Clear																							
Moonrise	7:43 P.M.																							
Sunset: Time, Character																					6:52 Cloudy			
Moonset																					4:39 am			
Sunshine (in tenths of hours)					0.62 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0	0.3	0	0					
Wind direction	NW	W	SW	SW	SW	W	W	W	NW	W	NW	W	NW	W	SW	SW	S	S	S	S	S	S	S	S
Wind movement	6	4	4	4	4	5	7	9	8	10	9	8	8	7	7	9	9	6	5	6	6	8	8	8
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
74	46	60	

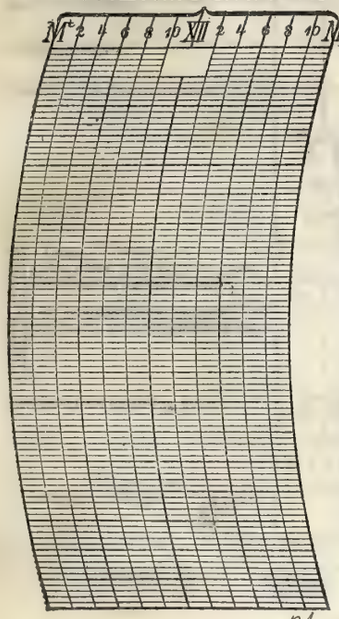
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 11.7 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 81
Prevailing wind direction, S Total wind 165
Average hourly velocity, 6.9 Extreme velocity, 12
Maximum velocity, 12 Direction, S
Time began, 3:20 pm.
Reduced barometer, 29.91, 7 a. m. 29.78, 7 p. m.
River gage, 5.0 ft.
Relative humidity, 82, 7 a. m. 44, 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

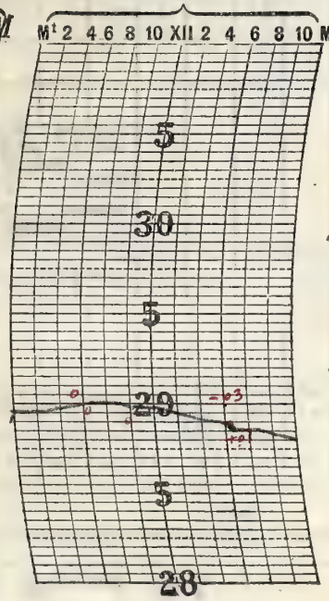
OBSERVATIONS AT ~~12 NOON~~ 12:38 pm
(Local Mean Time.)

Dry temperature, 69.4 Wet temperature, 52.5
Dew-point, 36 R. humidity, 30 V. pressure, .211
Clouds: Amount, 2 Sun.; Kind, 2 Cu.; Direction, W
Velocity of clouds (miles per hour)

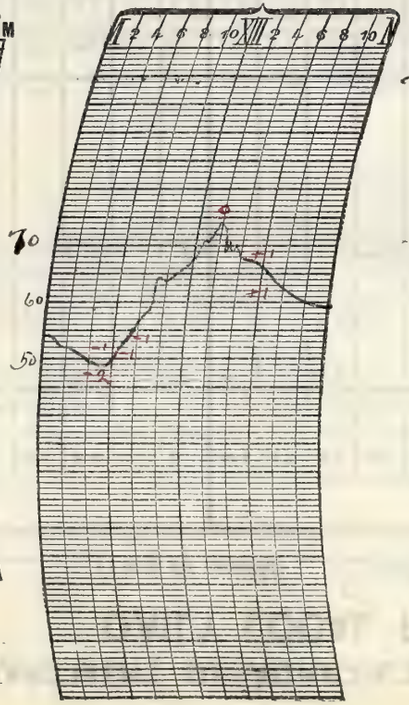
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy dew occurred in the early morning.
Clear except some Cloudiness in the late afternoon - The day was very pleasant.

Prepared by H S Baker
Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAY 16 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	59	53	53	54	55	57	57	59	62	61	63
State of weather: Nature of precipitation and time of beginning and ending	RB. / II.N					RE / 5:35		RB / 7.12	RE / 8:35	RB / 9:50		RE / 11:20
Amounts of precipitation	T.	.01	.09	.40	.09	.01		.06	.01	T	.08	.02
Cloudiness and other conditions	← Cloudy											

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	60	58	59	61	62	59	56	53	51	51	49
State of weather: Nature of precipitation and time of beginning and ending	RB / 12:15		RE / 2:30									
Amounts of precipitation	41	.07	T									
Cloudiness and other conditions	→ Pt. Cloudy →											

Sunrise: Time, 4:22 Character, Cloudy
Moonrise: 8:34 p.m.

Sunset: Time, 6:52 Character, Cloudy
Moonset: 5:22 a.m.

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	⊗ 0.3
Wind direction	S	S	SW	SW	S	S	S	S	S	SW	SW	SW
Wind movement	7	8	8	9	8	8	10	11	10	13	11	12
Maximum velocities (exceeding 29 miles) direction and time												

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0	0	0	0	0.2	0	0					
Wind direction	SW	SW	W	SW	W	W	W	W	W	W	SW	W
Wind movement	13	11	13	10	13	14	13	11	9	8	8	10
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

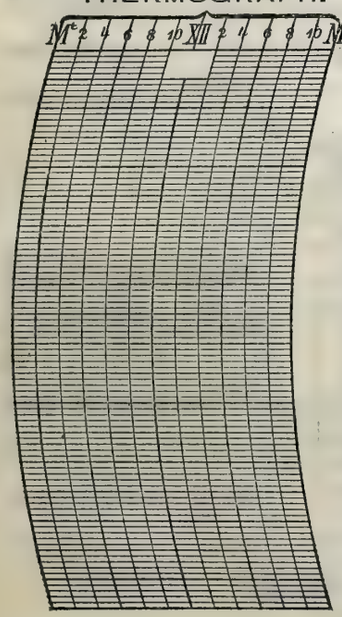
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
64	49	56	

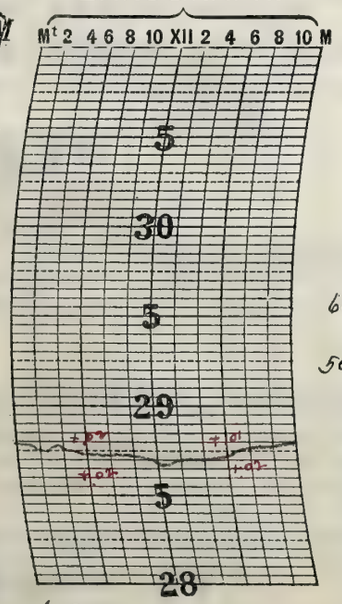
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .60 ins.; to 7 p. m., .65 ins.
Total precipitation, midnight to midnight, 1.25 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.5 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 3
Prevailing wind direction, SW Total wind 248
Average hourly velocity, 10.3 Extreme velocity, 21
Maximum velocity, 18 Direction, W
Time began, 5:22 p.m.
Reduced barometer, 29.68 7 a. m. 29.68 7 p. m.
River gage, 4.8 ft.
Relative humidity, 94 7 a. m. 52 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 1:38 P.M.
(Local Mean Time.)
Dry temperature, 63.0 Wet temperature, 61.7
Dew-point, 61 R. humidity, 93 V. pressure, .536
Clouds: Amount, 10; Kind, Nb; Direction, W
Velocity of clouds (miles per hour)

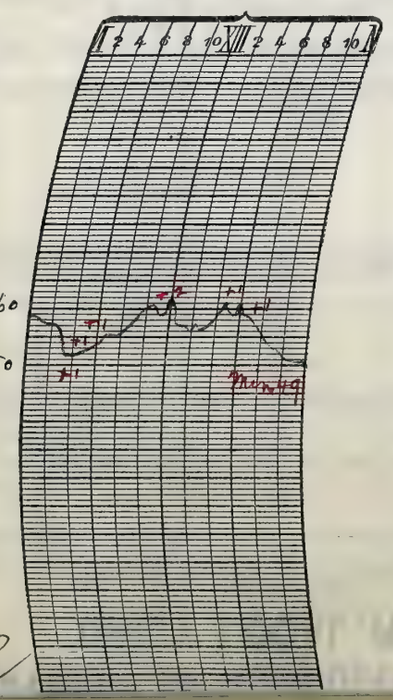
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by N. S. Baker
Verified by T. McDonough

⊗ Sun shining through detached clouds.

NOTES.

While moderate temperatures obtained, the weather was rather unpleasant, unsettled and overcast with intermittent showers, which began in the early morning and ended at 2:30 p.m.

Two thunderstorms occurred during the day: one began at 2:30 a.m. and ended during the night of the a.m. the second storm began at 12:22 p.m. and ended at 1:10 p.m. Both storms were rather mild in character.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 17 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	49	49	50	50	50	49	50	50	52	54	56
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					← Cloudy →							
Sunrise: Time, Character,	4:21 Cloudy											
Moonrise:	9:21 P.M.											
Sunshine (in tenths of hours)					0	0	0	⊗ 0.1	0	0	⊗ 0.2	⊗ 0.1
Wind direction	SW	SW	W	W	W	W	W	W	NW	W	NW	NW
Wind movement	10	10	12	12	12	17	20	18	21	19	19	20
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	58	60	60	59	58	55	52	50	49	48	47
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Pt. Cldy ← Clear →						
Sunset: Time, Character,									6:53 Clear			
Moonset:									6:11 a.m.			
Sunshine (in tenths of hours)	0.6	0.9	1.0	1.0	1.0	0.7 0.3	0.8 0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	W	W	W	W
Wind movement	20	22	23	23	21	19	10	7	7	8	8	7
Maximum velocities (exceeding 29 miles) direction and time												

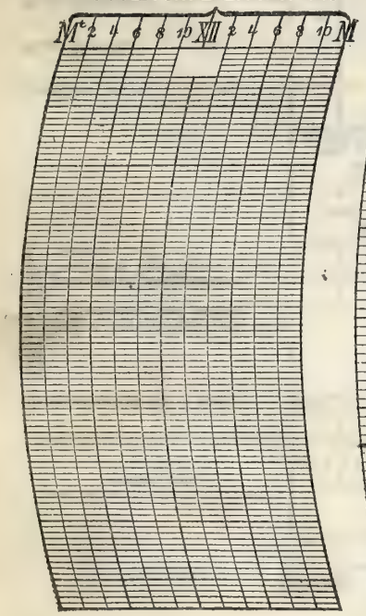
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	47	54	

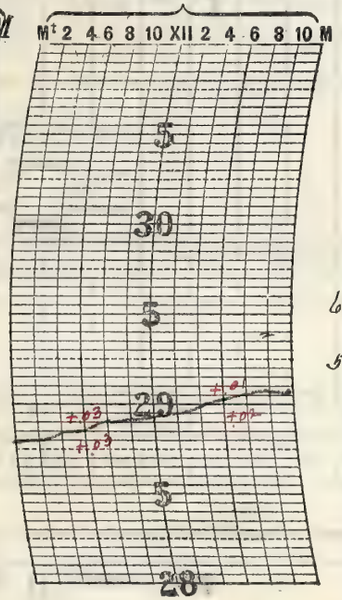
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 6.8 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 47
Prevailing wind direction, W-NW Total wind 365
Average hourly velocity, 15.2 Extreme velocity, 35
Maximum velocity, 29 Direction, NW.
Time began, 2:37 p.m.
Reduced barometer, 29.82, 7 a. m. 29.99, 7 p. m.
River gage, 7.1 ft.
Relative humidity, 81, 7 a. m. 34, 7 p. m.

OBSERVATIONS AT 12 NOON. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 55.8 Wet temperature, 48.3
Dew-point, 41 R. humidity, 58 V. pressure, .256
Clouds: Amount, 8; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

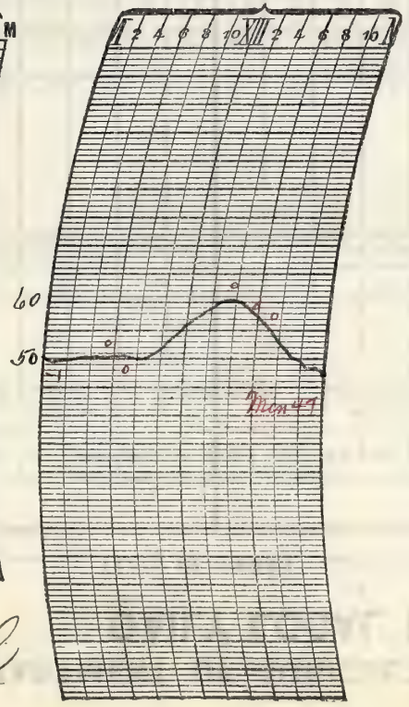
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



⊗ Sun shining through detached clouds

NOTES.

Cloudy during a considerable part of the day, but late afternoon and night clear. Moderate temperature obtained. The day, as a whole, was rather pleasant.

Prepared by A. S. Baker.
Verified by C. McDonough

8—486

Form No: 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 18 1913, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	43	43	42	42	45	50	58	59	61	63	64
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					← Clear							
Sunshine (in tenths of hours)					0.67 0	1.0 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0
Wind direction	W	W	W	W	W	W	W	W	W	W	NW	NW
Wind movement	7	7	6	6	6	8	6	7	10	10	9	12
Excessive precipitation, accumulated amounts												

Sunrise: Time, 4:20 Character, Clear
Moonrise: 10:44 P.M.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	67	68	67	67	66	64	61	60	58	57	56
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					→ Partly Cldy			Cldy				
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.7	0	0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	E	SE
Wind movement	13	12	11	9	8	6	4	3	3	3	4	3
Excessive precipitation, accumulated amounts												

Sunset: Time, 6:54 Character, Cloudy
Moonset: 4:58 A.M.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
68	41	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.4 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 85
Prevailing wind direction, NW Total wind 173
Average hourly velocity, 7.2 Extreme velocity, 16
Maximum velocity, 15 Direction, NW
Time began, 12:32 p.m.
Reduced barometer, 30.08 7 a. m. 29.93 7 p. m.
River gage, 6.7 ft 7
Relative humidity, 46 7 a. m. 34 7 p. m.

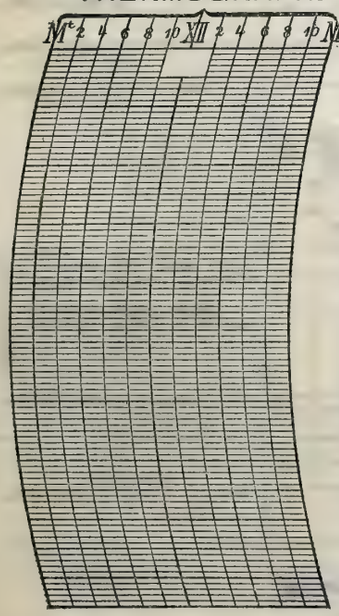
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

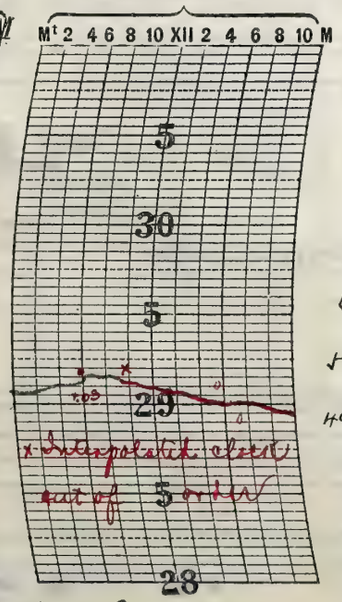
OBSERVATIONS AT 12 ~~NOON~~. 12:38 p.m.
(Local Mean Time.)

Dry temperature, 64.4 Wet temperature, 48.4
Dew-point, 30 R. humidity, 27 V. pressure, .164
Clouds: Amount, few; Kind, St; Direction, NW
Velocity of clouds (miles per hour)

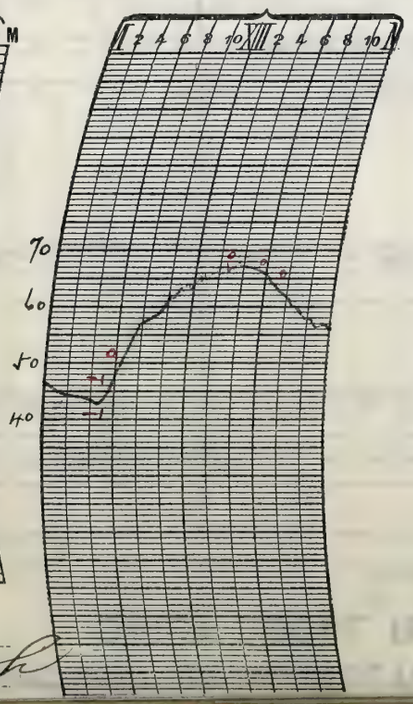
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The day opened clear and cool, with moonlight in the early hours of the morning, but alto-stratus clouds, moving from the west, began to appear in the late afternoon. The temperature rose steadily during the forenoon, the maximum reading 68° in the afternoon. The day was exceptionally fine, the air bracing and humidity low.

Barograph clock stopped during the forenoon and it was impossible to start it running again.

Prepared by A. S. Baker.
Verified by P. McDonough

R—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 19 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	54	55	55	53	55	58	63	64	65	67	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunrise: Time, Character	4:19 Cloudy											
Moonrise	10:42 P.M.											
Sunshine (in tenths of hours)					0	0	04	05	02	01	04	0
Wind direction	SE	SE	SE	SE	SE	S	SE	S	S	S	SW	S
Wind movement	2	4	4	5	4	3	2	4	4	6	4	4

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	65	63	55	52	54	53	53	52	52	51	50
State of weather: Nature of precipitation and time of beginning and ending				RB 3:00		RE 5:35	RB 6:30					
Amounts of precipitation				.02	.08	T	T	.01	.02	.05	.08	.04
Cloudiness and other conditions												
Sunset: Time, Character									6:55 Cloudy			
Moonset									8:02			
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	E	NE	E	S	NW	N	N	N	NE	N	NE	NE
Wind movement	3	6	5	11	7	10	9	8	9	10	10	16

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
67	50	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m.; 10 ins.

Total precipitation, midnight to midnight, .30 inches.

Character of day Cloudy Moon phase,

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 1.6 Possible sunshine, hours, 14.6

Per cent of possible sunshine, 11

Prevailing wind direction, SE-S Total wind 150

Average hourly velocity, 6.2 Extreme velocity, 19

Maximum velocity, 17 Direction, NE

Time began, 11:34 P.M.

Reduced barometer, 29.86 7 a. m. 29.70 7 p. m.

River gage, 6.2 ft.

Relative humidity, 52 7 a. m. 83 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

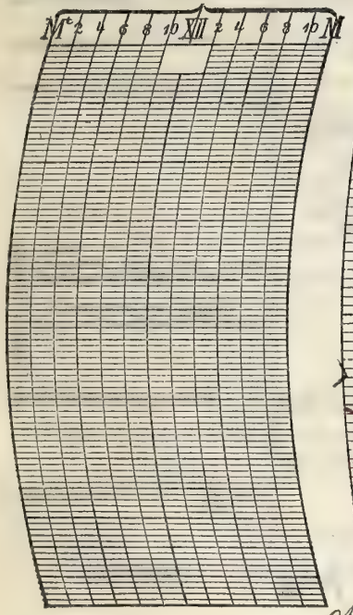
Dry temperature, 66.8 Wet temperature, 52.2

Dew-point, 38 R. humidity, 35 V. pressure, .228

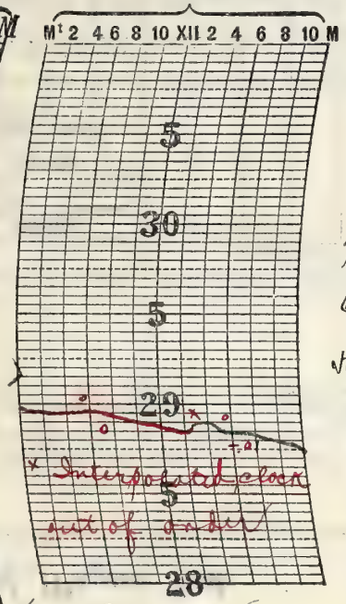
Clouds: Amount, 8 Kind, Cu St Direction, SW

Velocity of clouds (miles per hour)

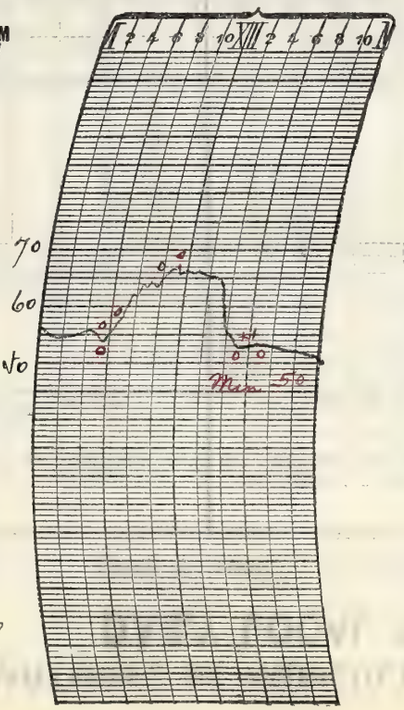
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



× Sun shining through a St. clouds.

NOTES.

Ten-am. Special observation taken in accordance with instructions from Central Office

Barograph clock taken to a jeweler's shop for repairs; it was returned in working condition in the afternoon

Cloudy and unsettled weather, with rain in the afternoon and night

Prepared by H. S. Baker.

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 20 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	48	48	48	48	48	47	46	46	47	48	48
State of weather: Nature of precipitation and time of beginning and ending	–	–	–	–	–	–	–	–	–	–	–	–
Amounts of precipitation	02	04	03	01	01	02	05	04	02	01	01	T
Cloudiness and other conditions	Cloudy											
Sunrise: Time, 4:18 Character, Cloudy												
Moonrise: 11:17 PM												
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	NE	NE	NE	NE	NE	NE	N	N	N	N	N	N
Wind movement	16	20	21	22	19	17	11	10	11	10	11	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	47	47	47	47	46	46	45	45	45	45	44
State of weather: Nature of precipitation and time of beginning and ending	RE 12:05 RB 12:40	–	–	–	RE 4:10							
Amounts of precipitation	T	T	T	T	T							
Cloudiness and other conditions	Cloudy											
Sunset: Time, 6:56 Character, Cloudy												
Moonset: 9:23 PM												
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	N	N	NW	NW	NW	NW	NW	NW	NW	NW	W	W
Wind movement	12	13	13	16	17	15	13	12	9	9	9	8

Maximum velocities (exceeding 27 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

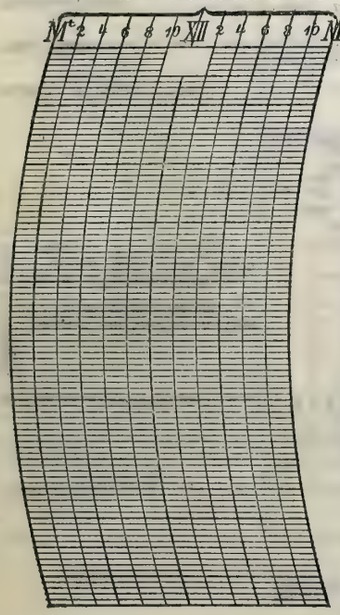
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	44	47	

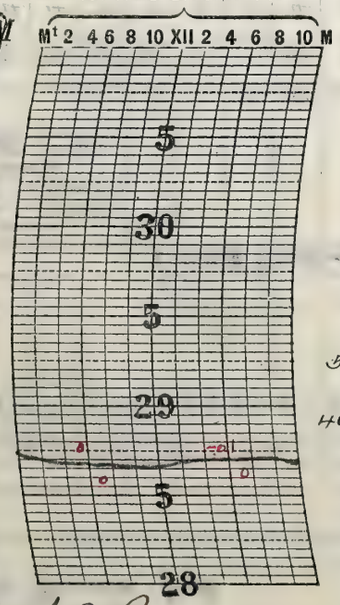
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 37 ins.; to 7 p. m., 09 ins.
Total precipitation, midnight to midnight, 26 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 0
Prevailing wind direction, N-NW Total wind 327
Average hourly velocity, 13.6 Extreme velocity, 28
Maximum velocity, 25 Direction, NE
Time began, 3:44 am
Reduced barometer, 29.58 7 a. m. 29.62 7 p. m.
River gage, 6.0 ft.
Relative humidity, 93 7 a. m. 82 7 p. m.

OBSERVATIONS AT ~~12 NOON~~, 12:38 P.M.
(Local Mean Time.)
Dry temperature, 48.4 Wet temperature, 44.4
Dew-point, 40 R. humidity, 73 V. pressure, .247
Clouds: Amount, 10; Kind, St-Cu; Direction, NE
Velocity of clouds (miles per hour)

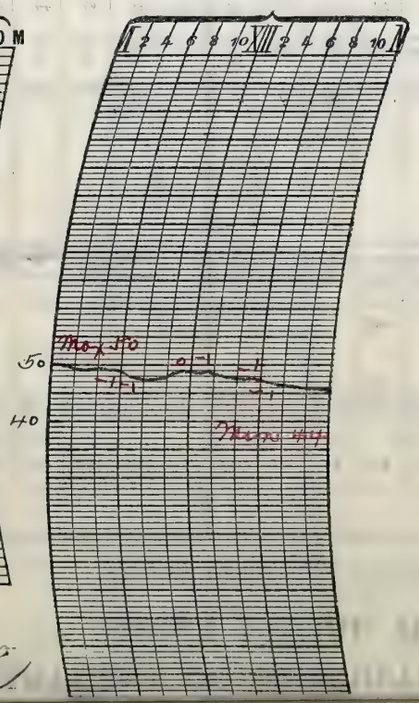
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

An eleven am special observation ordered taken by the Central office.
The weather during the day was unpleasantly cool and cloudy, with light rain.

Prepared by A. S. Baker.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 21 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	45	45	45	45	45	46	47	47	48	48	50	50	52	50	51	51	51	50	50	49	48	48	47
State of weather: Nature of precipitation and time of beginning and ending											RB 10:25 RE 10:40					RB 3:20 RE 3:25								
Amounts of precipitation											T					T								
Cloudiness and other conditions													Cloudy											

Sunrise: Time, 4:18; Character, Cloudy. Moonrise: 11:49 P.M.

Sunset: Time, 6:57; Character, Cloudy. Moonset: 10:45 P.M.

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Wind direction	W	W	SW	SW	SW	SW	SW	SW	SW	SW	S	S	SW	S	S	SW	SW	S	S	SE	SE	SE	E	E
Wind movement	7	6	7	7	8	8	8	10	9	8	10	9	11	11	10	10	8	9	6	4	3	4	5	5
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

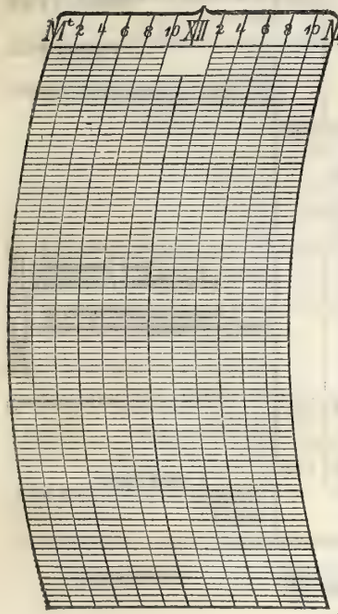
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	44	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 183
Average hourly velocity, 7.6 Extreme velocity, 15
Maximum velocity, 14 Direction, SE
Time began, 2:20 pm
Reduced barometer, 29.62, 7 a. m. 29.70, 7 p. m.
River gage, 6.8 ft.
Relative humidity, 88, 7 a. m. 78, 7 p. m.

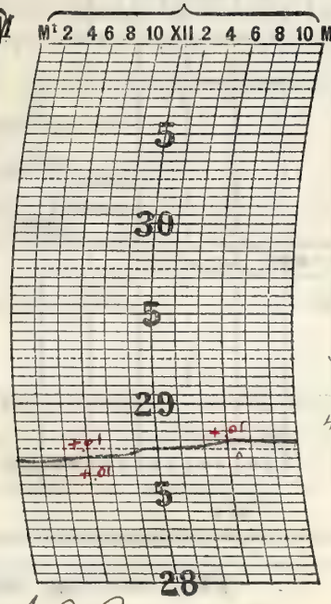
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M. (Local Mean Time.)

Dry temperature, 49.5 Wet temperature, 46.0
Dew-point, 42 R. humidity, 77 V. pressure, .266
Clouds: Amount, 10; Kind, Strat; Direction, S
Velocity of clouds (miles per hour)

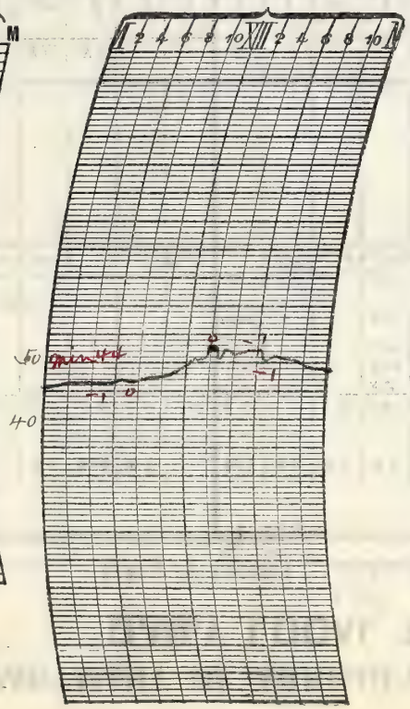
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cool, cloudy, and unsettled weather.

Prepared by J. S. Baker

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 22 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	44	44	45	43	44	47	50	55	56	60	54
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Cloudy						Fair	
Sunshine (in tenths of hours)					0	0	0	0	0	0	0.6	0.4
Wind direction	E	E	SE	E	E	E	SE	E	SE	SE	SE	SE
Wind movement	4	5	6	5	4	5	4	5	5	6	9	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	51	47	55	55	54	51	51	51	50	50	50
Nature of precipitation and time of beginning and ending	RB 12:02	RE 1:55		RB 3:10 RE 3:25			RB 6:30	—	—	—	RE H.N	
Amounts of precipitation	40	.07		.01			.01	.04	T	T	T	
Cloudiness and other conditions			Cloudy			Fair		Cloudy				
Sunshine (in tenths of hours)	0	0	0.8*	0	0.3	0	0					
Wind direction	S	S	S	S	S	SE	E	E	E	E	E	E
Wind movement	8	7	5	8	7	5	9	4	4	5	4	4

Sunrise: Time, 4:17 Character, Cloudy
Moonrise: — —
Sunset: Time, 6:58 Character, Cloudy
Moonset: — —

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

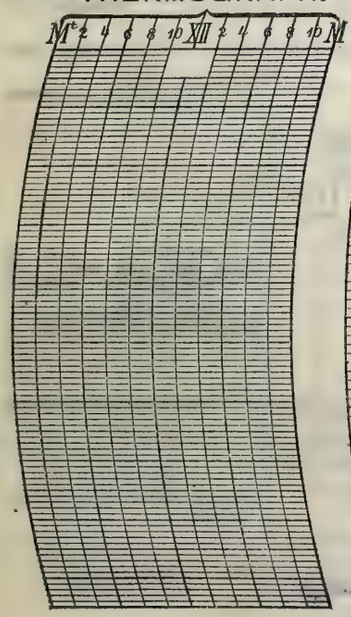
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	43	52	

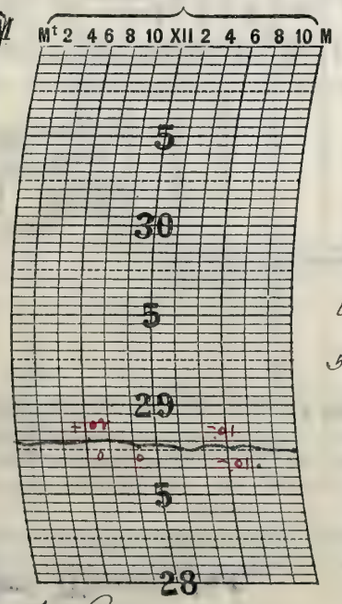
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .48 ins.
Total precipitation, midnight to midnight, .53 inches.
Character of day, Cloudy Moon phase, Last Quarter 4:04 pm
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.1 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 14
Prevailing wind direction, E Total wind 137
Average hourly velocity, 5.7 Extreme velocity, 15
Maximum velocity, 13 Direction, SW
Time began, 11:42 am
Reduced barometer, 29.71, 7 a. m. 29.66, 7 p. m.
River gage, 6.3 ft.
Relative humidity, 86, 7 a. m. 90, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 2:38 P.M.
(Local Mean Time.)
Dry temperature, 49.2 Wet temperature, 48.2
Dew-point, 47 R. humidity, 93 V. pressure, .322
Clouds: Amount, 10; Kind, Nb; Direction, S
Velocity of clouds (miles per hour)

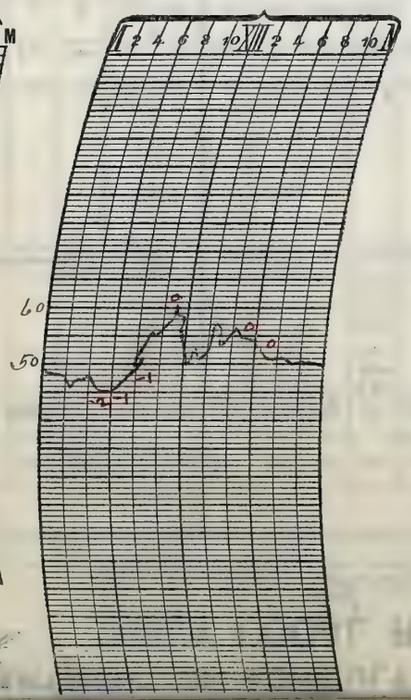
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



* Sun shining through detached clouds.

NOTES.

Cool and cloudy with rain in the afternoon and night. A moderate thunderstorm occurred between 12:05 pm and 12:20 pm. The storm moved from the South.

Prepared by N S Baker
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAY 23 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	48	48	49	49	49	50	51	51	55	56	59
State of weather: Nature of precipitation and time of beginning and ending						RB 5:15 RE 5:20						
Amounts of precipitation						T						
Cloudiness and other conditions	Cloudy											
Sunrise: Time, 4:16 Character, Cloudy												
Moonrise: 12:20 am												
Sunshine (in tenths of hours)					0	0	0	0	0	⊗ 0.2	0	⊗ 0.2
Wind direction	E	E	E	E	NE	NE	N	SW	SW	SW	SW	SW
Wind movement	4	3	2	2	2	4	3	4	6	6	7	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	60	63	58	60	56	55	55	55	54	53	53
State of weather: Nature of precipitation and time of beginning and ending	RB 12:30 RE 12:40											
Amounts of precipitation	T											
Cloudiness and other conditions	Cloudy											
Sunset: Time, 6:59 Character, Cloudy												
Moonset: 12:2 am												
Sunshine (in tenths of hours)	0	⊗ 0.5	⊗ 0.6	⊗ 0.2	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	S	SE	E	E
Wind movement	9	10	11	16	10	14	8	7	4	4	4	3

Maximum velocities (exceeding 29 miles) direction and time.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
63	48	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .05 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.6 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 11
Prevailing wind direction, SW Total wind 149
Average hourly velocity, 6.2 Extreme velocity, 25
Maximum velocity, 23 Direction, SW
Time began, 3:18 p.m.
Reduced barometer, 29.72, 7 a. m. 29.78, 7 p. m.
River gage, 6.5 ft.
Relative humidity, 87, 7 a. m. 81, 7 p. m.

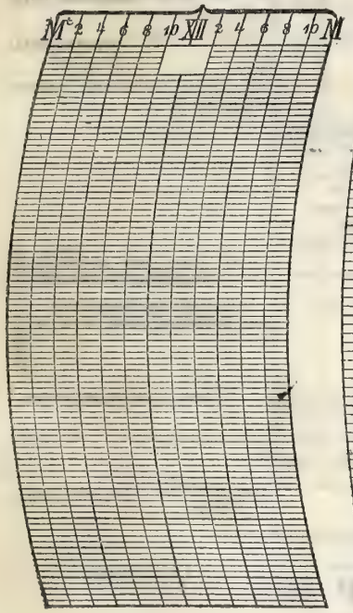
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

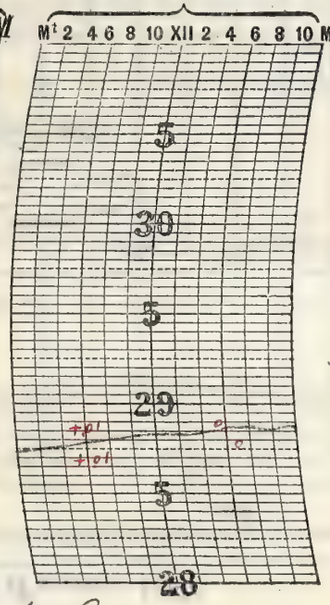
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 59.7 Wet temperature, 52.4
Dew-point, 46 R. humidity, 62 V. pressure, .210
Clouds: Amount, 8; Kind, Strat; Direction, SW
Velocity of clouds (miles per hour)

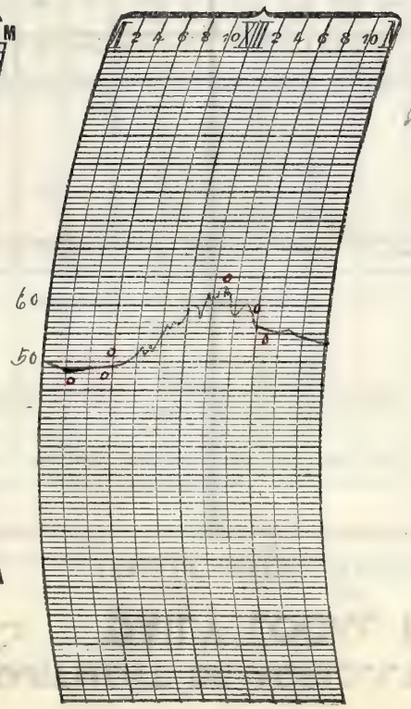
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



⊗ Sunshine through detached clouds

NOTES.

Cloudy and bad weather prevailed

Prepared by N. S. Baker.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 24 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	51	51	51	50	51	53	54	56	59	61	63	65	67	68	68	69	69	65	65	62	61	60	58
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Cloudy →									← Pt. Cloudy →							← Clear →							
Sunshine (in tenths of hours)					0	0	0	0	0.6	0.5	0.9	0.9	0.9	0.9	1.0	0.9	0.3	1.0 0	1.0 0					
Wind direction	E	E	E	E	NE	E	E	E	E	NE	NE	NE	NE	NE	NE	E	E	NW	NE	E	SE	S	S	S
Wind movement	4	3	4	3	5	5	3	3	4	6	6	7	8	7	6	4	3	2	4	3	4	4	3	2
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:15 Character, Cloudy
Moonrise: 12:50 AM
Sunset: Time, 7:00 Character, Clear
Moonset: 1:27 P.M.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

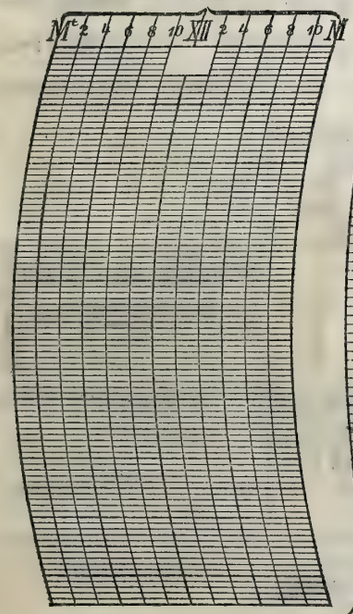
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	50	60	

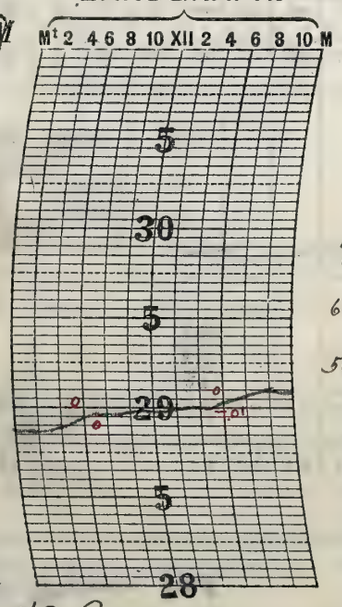
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 8.9 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 60
Prevailing wind direction, E Total wind 103
Average hourly velocity, 4.3 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 12:29 pm.
Reduced barometer, 29.86, 7 a. m. 29.92, 7 p. m.
River gage, 6.1 ft.
Relative humidity, 90, 7 a. m. 53, 7 p. m.

OBSERVATIONS AT 12 ~~NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 64.0 Wet temperature, 54.8
Dew-point, 48 R. humidity, 55 V. pressure, 334
Clouds: Amount, 6; Kind, Cu; Direction, E
Velocity of clouds (miles per hour)

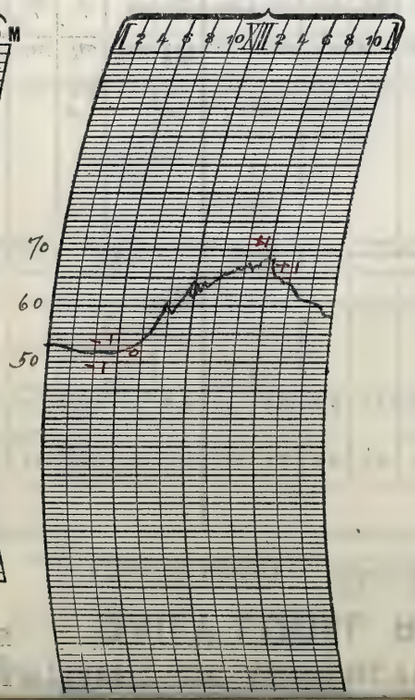
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Diminishing Cloudiness during the day, with the late afternoon and night Clear. Morning Cool but fairly pleasant temperature prevailed during the afternoon

Prepared by N S Baker
Verified by P M McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 25 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	55	52	53	53	55	60	64	67	68	71	72	71	72	73	74	72	72	70	68	67	66	65	63
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			Clear						→	Pt Cldy		>	Cldy	<	Pt Cldy			
Sunrise: Time, Character,	4:15 Clear																							
Moonrise:	1:21 am																							
Sunset: Time, Character,																					7:01 Cloudy			
Moonset:																					2:35 pm			
Sunshine (in tenths of hours)					0.75 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0	0	0	0				
Wind direction	S	S	S	S	S	S	S	S	S	E	SE	E	SW	NE	NE	E	E	NE	E	E	SE	SE	SE	S
Wind movement	2	3	3	1	1	1	4	2	5	4	4	5	5	6	4	3	5	6	4	5	5	5	5	2
Maximum velocities (exceeding 24 miles) direction and time																								

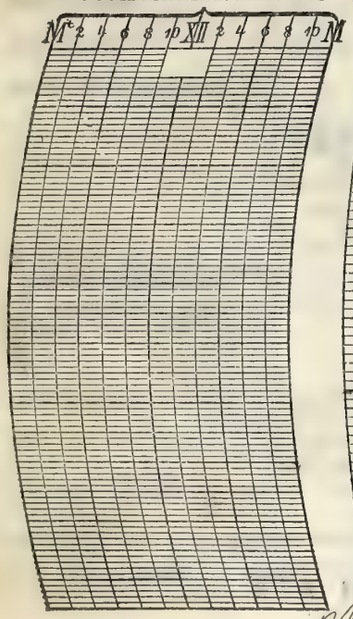
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	52	64	✓

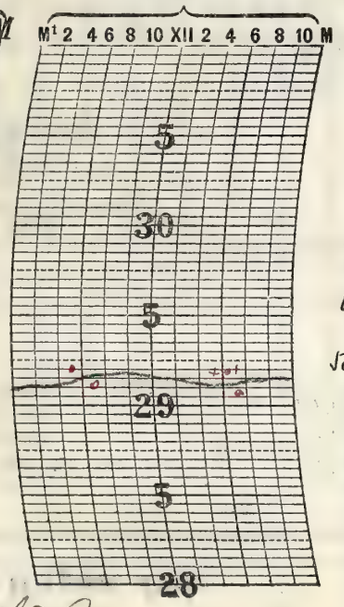
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.0 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 74
Prevailing wind direction, S Total wind 90
Average hourly velocity, 3.8 Extreme velocity, 9
Maximum velocity, 9 Direction, NE
Time began, 1:45 pm.
Reduced barometer, 30.06, 7 a. m. 30.02 7 p. m.
River gage, 5.6 ft.
Relative humidity, 76, 7 a. m. 48, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 71.8 Wet temperature, 58.0
Dew-point, 48 R. humidity, 43 V. pressure, .334
Clouds: Amount, 2; Kind, Cu; Direction, S
Velocity of clouds (miles per hour)

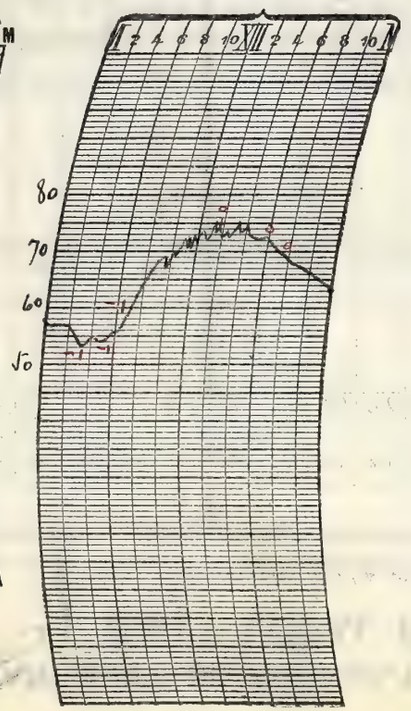
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

This was an exceptionally fine day. The maximum temperature reached 76°, and while there were some alto-stratus clouds in the afternoon the day as a whole was clear.

Prepared by N S Baker.
Verified by C. M. Emmons

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 26 1919, 191

Time (local standard) 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	58	57	55	53	57	60	65	68	71	73	73	74	76	78	76	76	76	73	69	68	68	65	64
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear			Cloudy				Clear											
Sunshine (in tenths of hours)					0.77 0	1.0 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4 0.5	1.0 0	1.0 0	0.03 0				
Wind direction	S	E	O	SE	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E	SE	SE	E	NE	E	E	E	E
Wind movement	2	2	0	1	4	3	2	5	4	7	7	7	7	5	6	5	5	5	4	4	4	2	3	4
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:14 Character, Clear
Moonrise: 1:56 am
Sunset: Time, 7:02 Character, Clear
Moonset: 3:52 pm

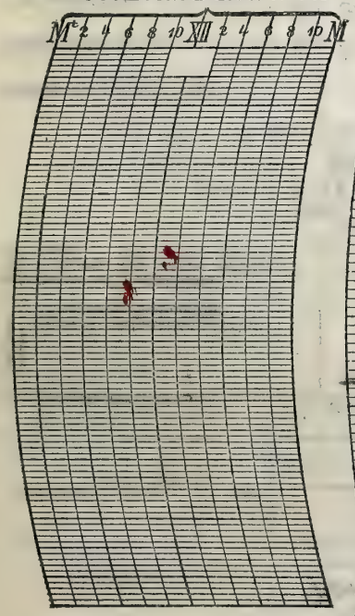
Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	53	66	

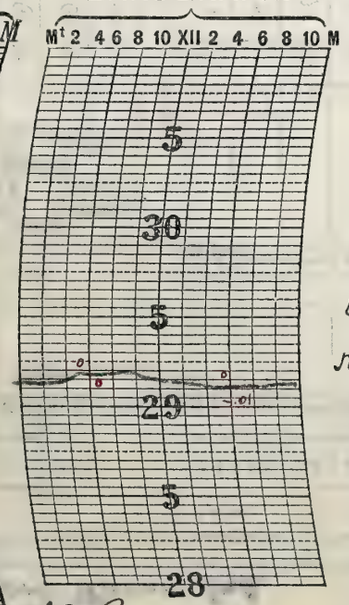
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.7 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 99
Prevailing wind direction, E Total wind 98
Average hourly velocity, 4.1 Extreme velocity, 10
Maximum velocity, 10 Direction, S E.
Time began, 12:28 pm.
Reduced barometer, 30.10, 7 a. m. 30.01, 7 p. m.
River gage, 5.1 ft.
Relative humidity, 71 7 a. m. 54 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 74.8 Wet temperature, 59.8
Dew-point, 50 R. humidity, 41 V. pressure, 360
Clouds: Amount, Few; Kind, A. St.; Direction, W
Velocity of clouds (miles per hour)

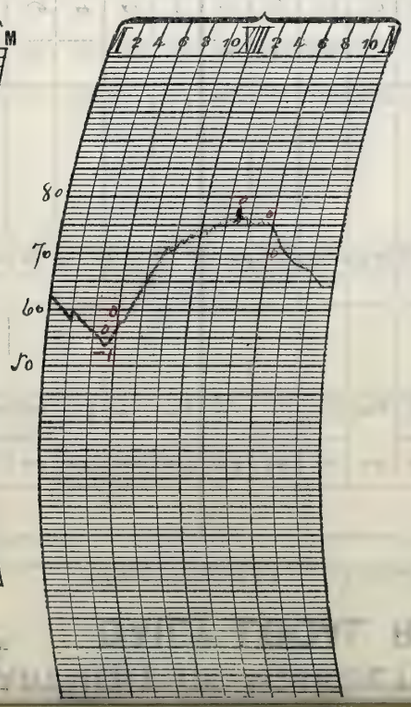
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear warm and pleasant weather.

Prepared by A S Baker

Verified by P. McGlouseth

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 27 1919, 191

Time (local standard) 90 mer. normal time

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	60	59	59	57	59	64	67	72	78	80	77	78	78	80	81	81	80	76	72	69	66	65	63
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Clear →												← Pt Cloudy →				← Clear →							
Sunshine (in tenths of hours)					0.78 0	1.0 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0	0	0				
Wind direction	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	NE	E
Wind movement	3	3	2	6	5	5	5	8	9	11	12	11	11	11	12	12	10	8	7	9	8	7	6	7

Sunrise: Time, 4:13; Character, Clear. Moonrise: 7:35 am

Sunset: Time, 7:03; Character, Cloudy. Moonset: 5:07 pm

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

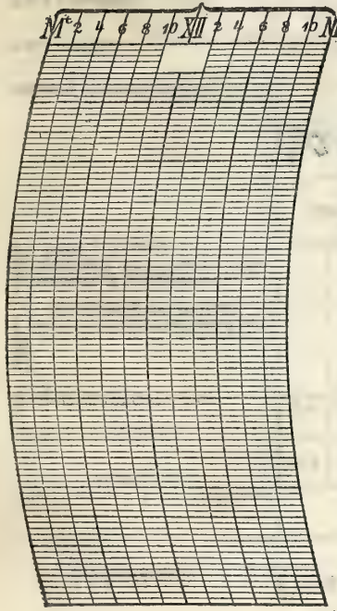
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	57	69	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.3. Possible sunshine, hours, 14.8
Per cent of possible sunshine, 83
Prevailing wind direction, NE. Total wind 188
Average hourly velocity, 7.8. Extreme velocity, 18
Maximum velocity, 16. Direction, NE.
Time began, 1:01 pm.
Reduced barometer, 30.04, 7 a. m. 29.98, 7 p. m.
River gage, 4.6 ft.
Relative humidity, 79, 7 a. m. 54, 7 p. m.

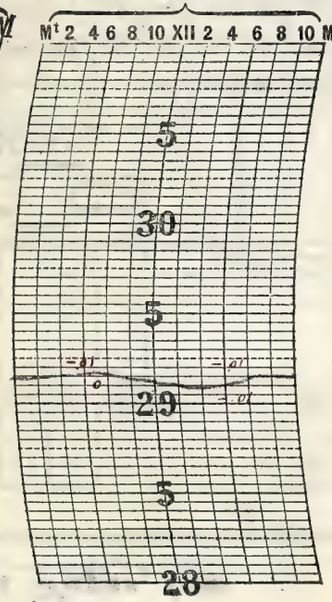
OBSERVATIONS AT ~~12 NOON~~ 12:38 pm (Local Mean Time.)

Dry temperature, 78.0. Wet temperature, 63.8
Dew-point, 56. R. humidity, 46. V. pressure, .448
Clouds: Amount, 4; Kind, Ci St; Direction, W
Velocity of clouds (miles per hour)

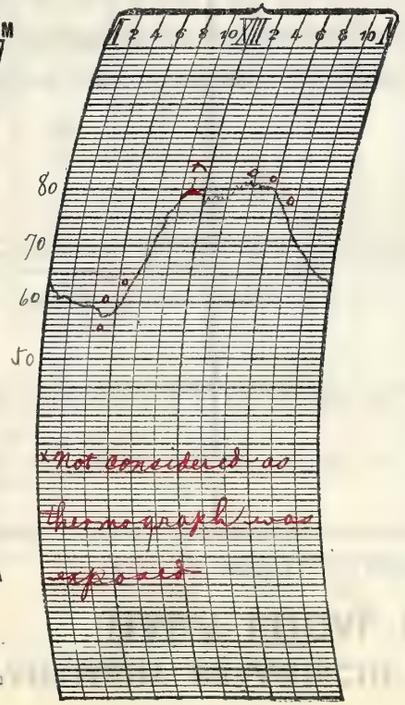
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear, warm, and exceptionally fine weather.

Prepared by N B Baker

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 28 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	60	58	56	55	54	56	59	61	64	66	69	73	74	75	76	75	74	72	69	66	63	61	61	59
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Clear →																							
Sunrise: Time, 4:13 Character, Clear																					Sunset: Time, 7:03 Character, Clear			
Moonrise: 5:20 AM																					Moonset: 6:24			
Sunshine (in tenths of hours)					0.78 0	1.0 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	1.0 0	1.0 0	0.05 0				
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	NE	NE	NE	NE	NE
Wind movement	7	7	7	8	9	10	10	12	10	12	14	12	15	16	16	13	13	11	10	9	6	9	8	7
Maximum velocities (exceeding 29 miles) direction and time																								

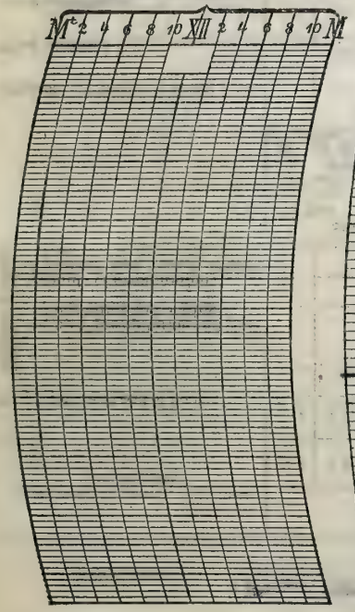
	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	54	65	

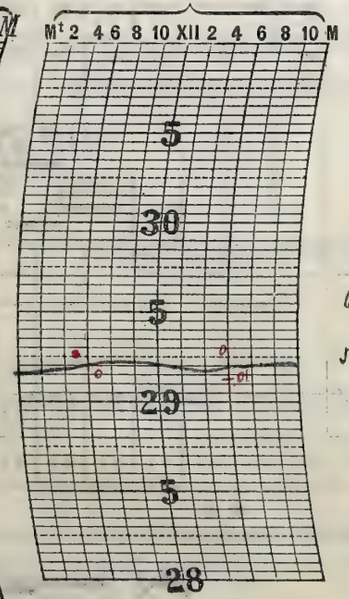
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 0
Actual sunshine, hours, 14.8 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind 251
Average hourly velocity, 10.5 Extreme velocity, 22
Maximum velocity, 20 Direction, NE
Time began, 12:42 p.m.
Reduced barometer, 30.11 7 a. m. 30.08 7 p. m.
River gage, 4.7 ft.
Relative humidity, 72 7 a. m. 43 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 74.2 Wet temperature, 58.0
Dew-point, 46 R. humidity, 36 V. pressure, .310
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

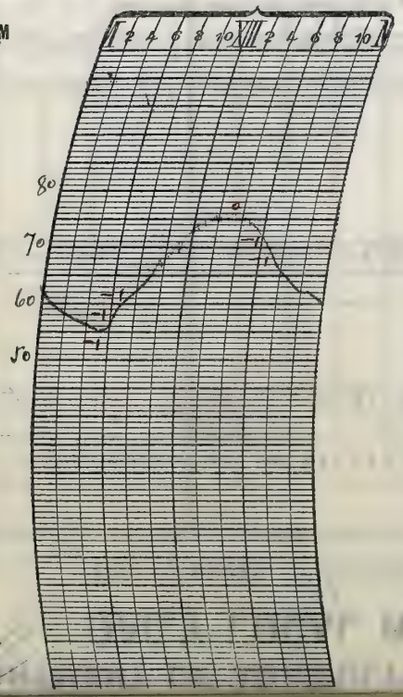
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and pleasant weather obtained during the day.

Prepared by W S Baker.
Verified by P M Gerough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAY 29 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	57	56	55	55	57	61	66	71	75	78	81	83	85	86	85	84	83	78	74	72	69	68	67
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation / Cloudiness and other conditions																								
	← Clear →																							
Sunrise: Time, Character	4:12 Clear																				Sunset: Time, Character	7:04 Clear		
Moonrise	4:14 AM																				Moonset	7:24 PM		
Sunshine (in tenths of hours)					0.80 / 0	1.0 / 0	0.6 / 0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4 / 0.6	1.0 / 0	1.0 / 0	0.0T / 0				
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E	NE	E	E	E	E	E	E
Wind movement	8	8	8	8	7	8	6	10	8	8	9	9	9	11	9	8	7	6	7	6	7	8	6	3
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

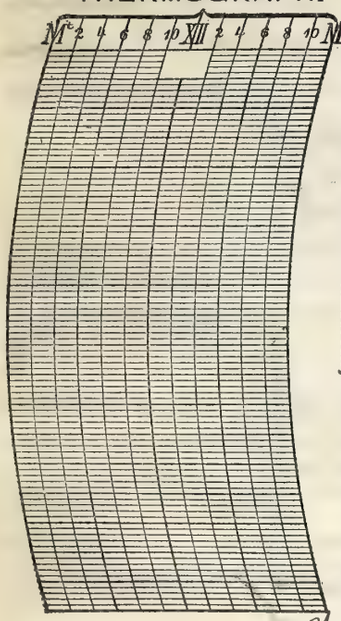
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	55	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, New Moon 7:12 am
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 14.9 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 100
Prevailing wind direction, NE-E Total wind 184
Average hourly velocity, 7.7 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 3:21 pm
Reduced barometer, 30.14, 7 a. m. 30.02 7 p. m.
River gage, 7 3.9 ft.
Relative humidity, 64 7 a. m. 46 7 p. m.

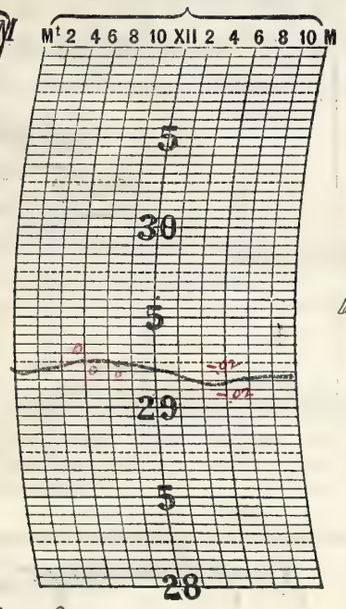
OBSERVATIONS AT ~~12 NOON~~ 12:38 PM (Local Mean Time.)

Dry temperature, 87.0 Wet temperature, 65.0
Dew-point, 56 R. humidity, 42 V. pressure, .448
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

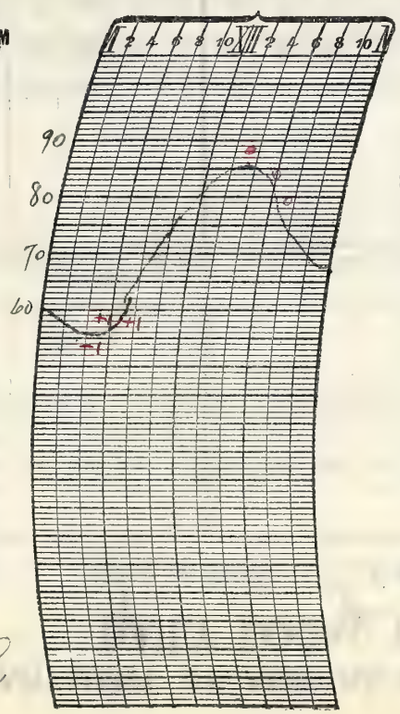
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear, warm, and pleasant weather.

Prepared by N. S. Baker
Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Friday, (Date) May 30, 1919

Time (local standard) ... mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	62	61	60	59	60	66	72	80	83	86	87	88	89	90	88	86	85	82	78	76	72	71	68
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←						Clear							→				
Sunshine (in tenths of hours)					0.80 / 0	1.0 / 0	0.4 / 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5 / 0.5	1.0 / 0	0.8 / 0				
Wind direction	E	NE	NE	NE	NE	NE	E	E	S	SE	SE	E	E	E	SE	E	E	E	E	E	E	E	E	E
Wind movement	4	5	5	5	6	5	4	3	1	4	5	5	6	7	7	7	8	7	5	5	5	5	7	7
Maximum velocities (exceeding ... miles) direction and time																								

Sunrise: Time, 4:12 Character, Clear
Moonrise: 5:15 am.
Sunset: Time, 7:05 Character, Clear
Moonset: 8:24 P.M.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

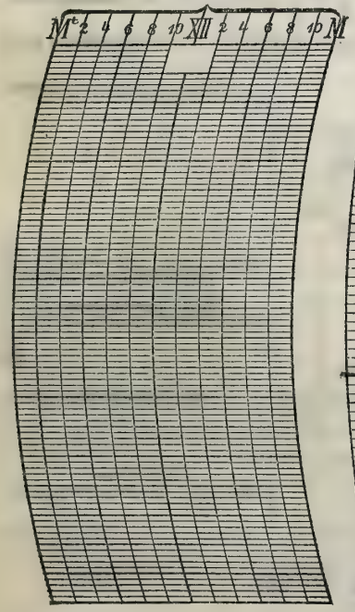
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	59	74	

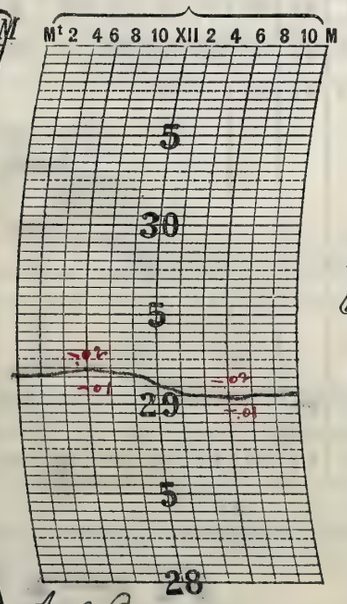
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, 0
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 14.9 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind 128
Average hourly velocity, 5.3 Extreme velocity, 10
Maximum velocity, 10 Direction, SE
Time began, 3:59 pm.
Reduced barometer, 30.09 7 a. m. 29.92, p. m.
River gage, 3.7 feet
Relative humidity, 65 7 a. m. 52 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 85.9 Wet temperature, 69.0
Dew-point, 60 R. humidity, 42 V. pressure, .517
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

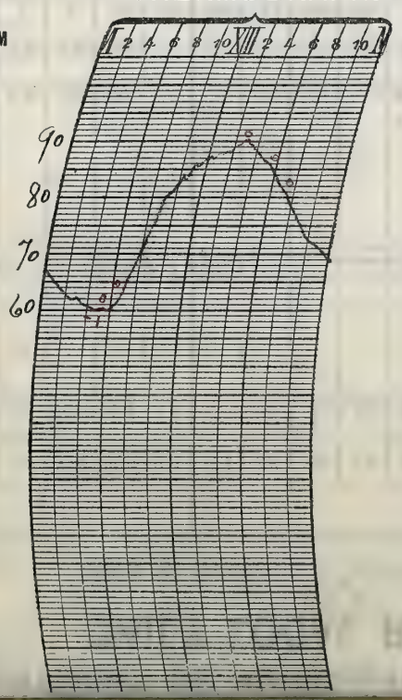
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Continued warm and clear weather but with light haze.

Prepared by A. H. Baker
Verified by P. M. Donough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Saturday, (Date) May 31, 1919

Time (local standard) mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	66	65	63	63	64	68	75	82	86	88	90
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear					
Sunshine (in tenths of hours)					0	0.2	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	E	E	E	E	E	E	E	E	S	S	S	SE
Wind movement	6	5	4	4	5	4	4	3	6	7	7	8
Maximum velocities (exceeding ____ miles) direction and time												

Time (local standard) mer. normal time.	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	91	92	92	91	90	88	86	82	81	78	78	75
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							→ Partly Cloudy					
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.4	0	0				
Wind direction	SE	S	S	SE	SE	S	S	S	S	S	S	S
Wind movement	8	9	10	10	9	5	7	6	6	6	6	6
Maximum velocities (exceeding ____ miles) direction and time												

Sunrise: Time, 4:11 Character, Clear
Moonrise: 6:41 a.m.
Sunset: Time, 7.16 Character, Cloudy
Moonset: 9.20 p.m.

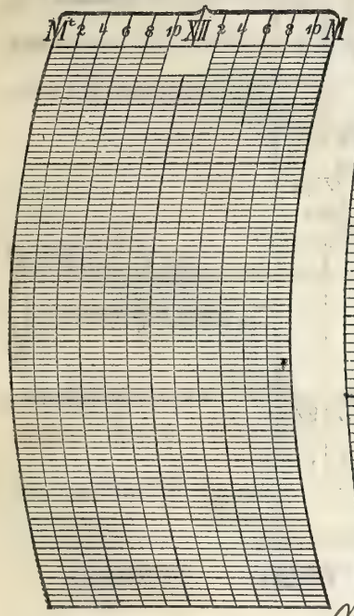
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	63	78	

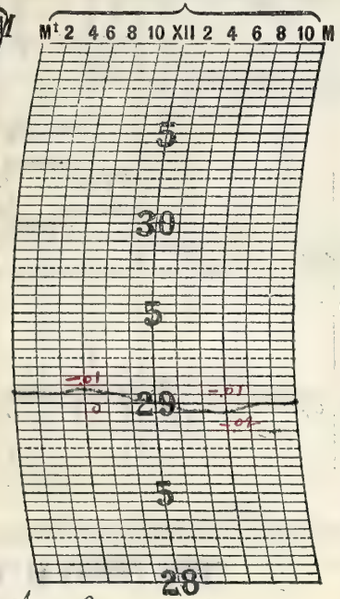
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 13.2 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 89
Prevailing wind direction, S Total wind 151
Average hourly velocity, 6.3 Extreme velocity, 14
Maximum velocity, 13 Direction, S
Time began, 3:44 p.m.
Reduced barometer, 29.97 7 a. m. 29.83 7 p. m.
River gage, 3.5 ft.
Relative humidity, 74 7 a. m. 35 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12.38 P.M.
(Local Mean Time.)
Dry temperature, 91.6 Wet temperature, 67.6
Dew-point, 54 R. humidity, 28 V. pressure, 417
Clouds: Amount, 3; Kind, Cu.; Direction, SW
Velocity of clouds (miles per hour)

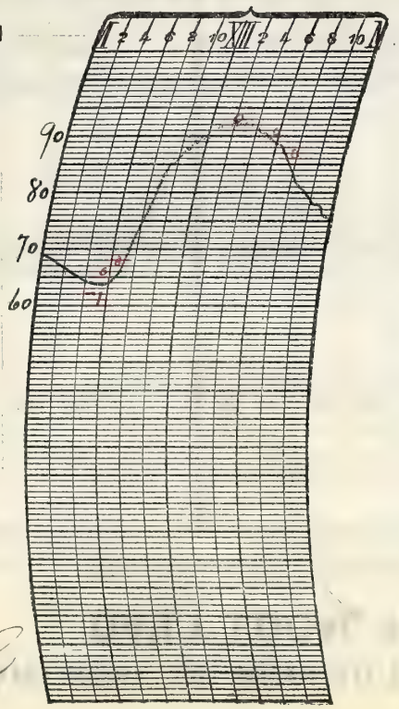
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear, but with some cloudiness in the afternoon and evening. Light haze prevailed during the day. Continued warm weather.

Prepared by H. S. Baker.
Verified by R. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 1 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	71	69	69	69	72	76	82	84	86	88	89	89	91	91	91	90	89	86	84	82	80	80	79
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←			Clear				→	←	Partly			→	←		Clear				→
Sunshine (in tenths of hours)					0.82 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0	0				
Wind direction	S	S	O	S	S	S	S	S	SW	SW	S	S	SE	S	S	S	S	SE	SE	SE	SE	E	SE	S
Wind movement	5	2	0	3	2	1	2	3	5	8	6	4	6	6	6	6	5	4	3	2	5	4	4	6

Sunrise: Time, 4:11 Character, Clear

Moonrise: 7:30 a.m.

Sunset: Time, 7:07 Character, Cloudy

Moonset: 10:03 p.m.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	68	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 13.2 Possible sunshine, hours, 14.9

Per cent of possible sunshine, 89

Prevailing wind direction, S Total wind 98

Average hourly velocity, 4.1 Extreme velocity, 10

Maximum velocity, 10 Direction, S

Time began, 3:37 p.m.

Reduced barometer, 29.93 7 a. m. 29.90 7 p. m.

River gage, 3.3 ft

Relative humidity, 69 7 a. m. 48 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

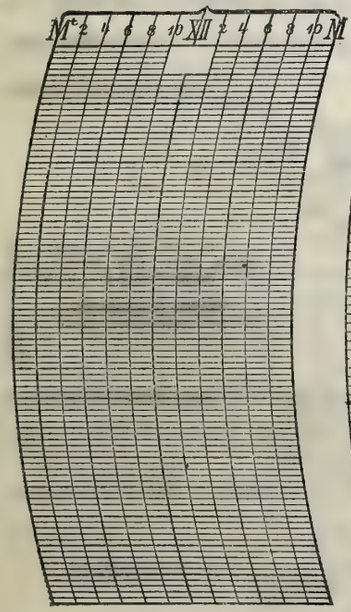
Dry temperature, 90.0 Wet temperature, 72.4

Dew-point, 64 R. humidity, 43 V. pressure, .595

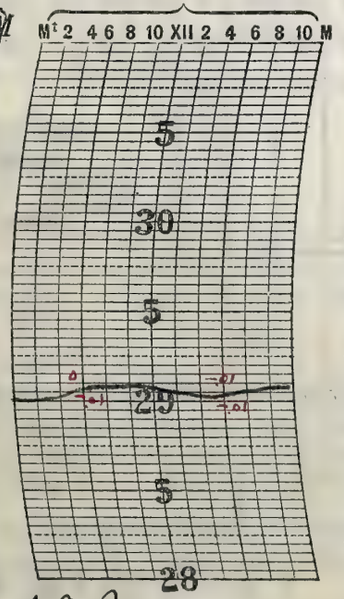
Clouds: Amount, 4; Kind, Cu; Direction, S

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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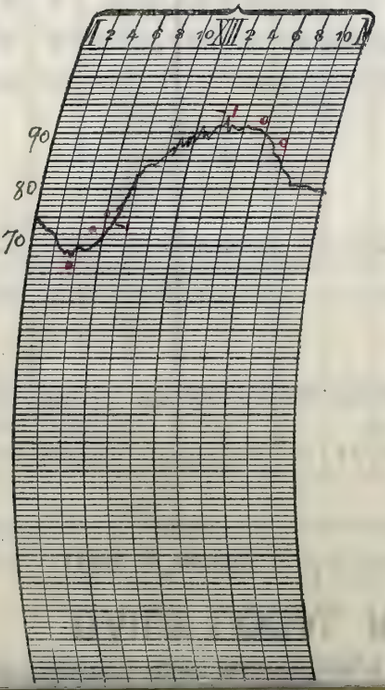


NOTES.

Clear and cooler weather but with some cloudiness in the afternoon. Faint moonlight at night.

Prepared by N. S. Baker.

Verified by P. McDonough

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 2 1919, 191

Time (local standard) 90° mer. normal time

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	75	71	70	69	71	76	83	86	88	89	90
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)					0.83 / 0	1.0 / 0	0.9 / 0.1	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	S	S	S	S	SE
Wind movement	4	2	2	2	2	1	1	2	3	3	5	3
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	91	91	92	90	81 RB	77	70	70 RE	70	69	69	69
Nature of precipitation and time of beginning and ending					4:40	–	–	7:30				
Amounts of precipitation					T	T	.05	T				
Cloudiness and other conditions	Cloudy						Cloudy					
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.7	0	0	0	0				
Wind direction	E	E	E	E	S	SW	SW	NW	NE	NE	NE	NE
Wind movement	4	6	4	4	8	15	17	10	6	7	6	5
Maximum velocities (exceeding 29 miles) direction and time						31 SW 5:40						

Sunrise: Time, 4:10; Character, Clear. Moonrise: 8:39 am

Sunset: Time, 7:07; Character, Cloudy. Moonset: 10:40 pm

Excessive precipitation, accumulated amounts	Total duration From—	Total duration To—	Total amount of precipitation	Excessive rate Began—	Excessive rate Ended—	Amount before excessive began	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

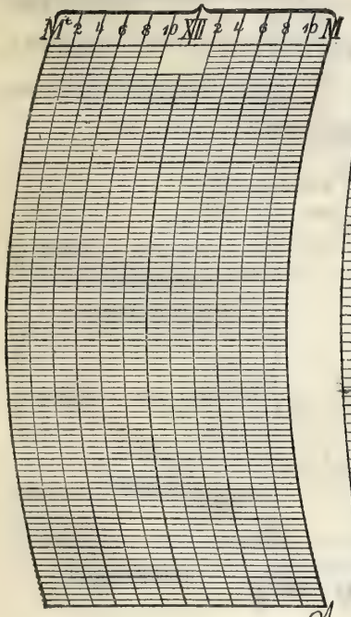
	Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
	92	69	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.05 ins.
Total precipitation, midnight to midnight, 0.05 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 11.5 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 77
Prevailing wind direction, S Total wind 122
Average hourly velocity, 5.1 Extreme velocity, 34
Maximum velocity, 31 Direction, S.W.
Time began, 5:40 p.m.
Reduced barometer, 30.00, 7 a. m. 30.05, 7 p. m.
River gage, 3.2
Relative humidity, 67, 7 a. m. 78 7 p. m.

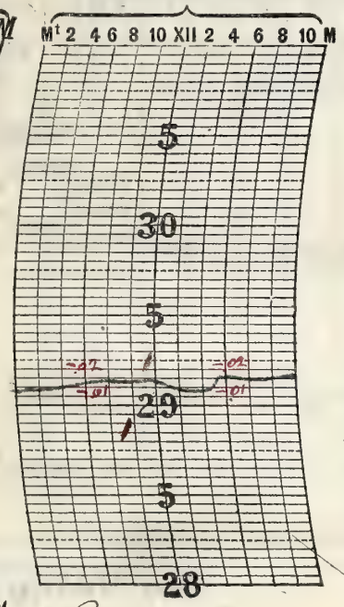
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M. (Local Mean Time.)

Dry temperature, 90.0 Wet temperature, 70.4
Dew-point, 61 R. humidity, 38 V. pressure, .536
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

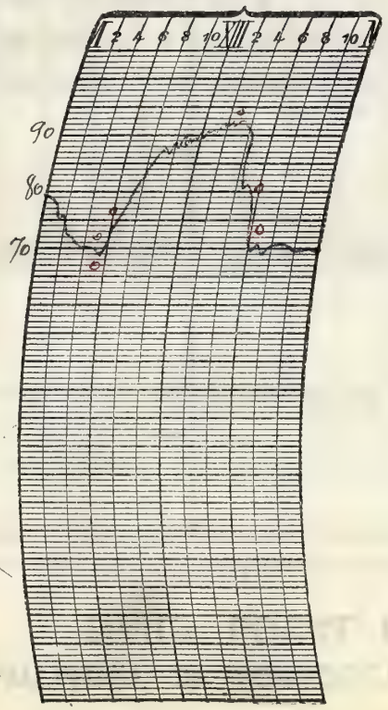
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Day as a whole Clear and warm, but dense haze was prevalent in the afternoon, and Clouds began to form about 3:30 pm, the weather becoming threatening about 4 pm, a mild thunderstorm began at 4:25 pm and lasted until 7:30 pm, the storm moved from the South and was attended by a sharp fall in temperature and rain from 4:40 pm to 7:30 pm. The night continued Cloudy and somewhat muggy.

Prepared by H. S. Baker.
Verified by J. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 3 1910, 191

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	70	68	67	67	66	67	70	75	78	82	84	87	90	90	89	88	86	86	84	80	80	78	78	77
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←	Clear						→	Partly Cloudy			Cloudy			Partly Cloudy		Cloudy			
	Sunrise: Time, 4:10; Character, Clear. Moonrise: 9:44 am.																				Sunset: Time, 7:08; Character, Cloudy. Moonset: 11:11 pm.			
Sunshine (in tenths of hours)					0.83 0	1.0 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Ø 1.0	Ø 1.0	Ø 0.6	0	0	0				
Wind direction	E	E	E	E	E	NE	E	E	E	SE	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	5	5	6	6	5	5	5	4	5	3	4	6	5	8	7	8	8	6	3	4	5	5	8	8
Maximum velocities (exceeding 29 miles) direction and time																								

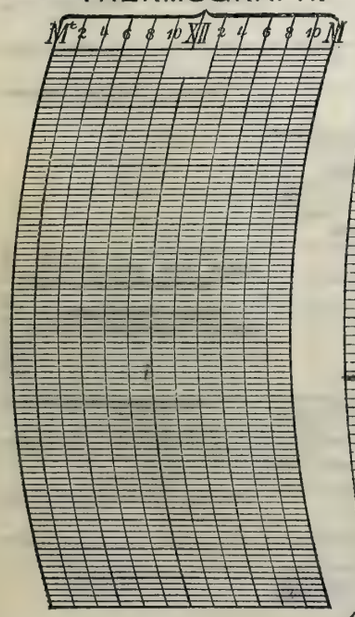
Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	66	78	

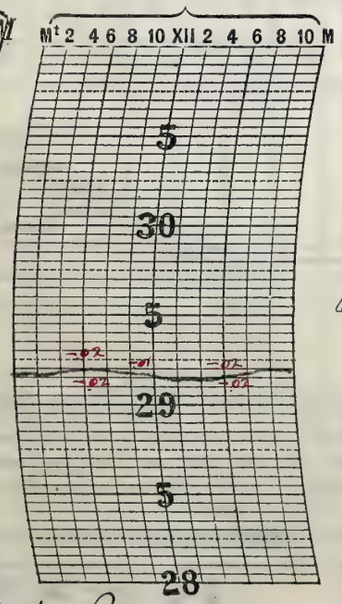
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0–10), 3
Actual sunshine, hours, 12.4 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 83
Prevailing wind direction, SE Total wind 134
Average hourly velocity, 5.6 Extreme velocity, 11
Maximum velocity, 11 Direction, SE
Time began, 3:05 p. m.
Reduced barometer, 30.08 7 a. m. 30.04 7 p. m.
River gage, 3.0 ft.
Relative humidity, 83 7 a. m. 53 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 87.2 Wet temperature, 73.2
Dew-point, 67 R. humidity, 52 V. pressure, .661
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

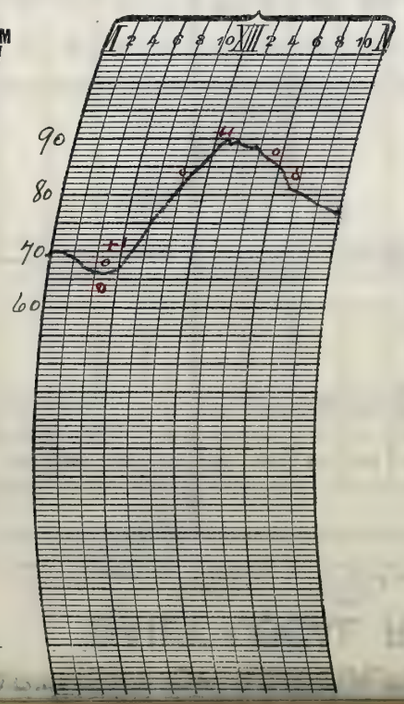
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by N. S. Baker
Verified by P. M. Smith

Ø Sun shining through detached clouds.

NOTES.

Eleven am special ordered by the Central Office
The day was generally clear but with some Cloudiness and light haze in the afternoon and night. Faint moonlight at night Continued warm weather

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 4 1919, 191

Time (local standard) 90 mer. normal time

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	74	73	73	71	72	73	77	81	81	82	83
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					← Clear			→ ← Pt. Cloudy				
Sunshine (in tenths of hours)					0.83 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0
Wind direction	SE	SE	SE	SE	SE	S	S	S	SW	S	S	S
Wind movement	6	4	4	7	8	7	8	8	9	11	13	12

Sunrise: Time, 4:10; Character, Clear

Moonrise: 10:49 a.m.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	85	83	83	82	81	80	78	75	74	73	73	71
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						→ ← Cloudy				→		
Sunshine (in tenths of hours)	1.0	1.0	0 0.9	0 0.3	0	0	0	0				
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	W	W	W	W
Wind movement	12	13	12	10	9	9	7	7	5	4	3	2

Sunset: Time, 7:09; Character, Cloudy

Moonset: 11:39 p.m.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	71	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 11.0 Possible sunshine, hours, 15.0

Per cent of possible sunshine, 73

Prevailing wind direction, SW Total wind 190

Average hourly velocity, 7.9 Extreme velocity, 18

Maximum velocity, 16 Direction, S

Time began, 12:24 p.m.

Reduced barometer, 30.09, 7 a. m. 30.08, 7 p. m.

River gage, 3.0 ft.

Relative humidity, 73, 7 a. m. 67, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

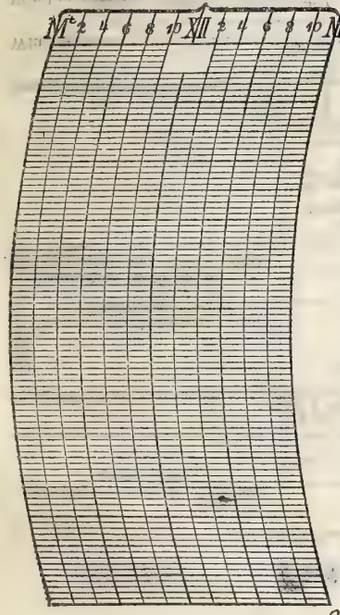
Dry temperature, 84.0 Wet temperature, 69.4

Dew-point, 62 R. humidity, 48 V. pressure, .555

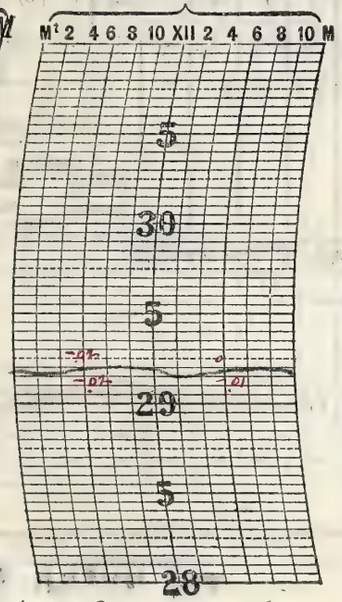
Clouds: Amount, 3; Kind, 2 St Cu; Direction, SW

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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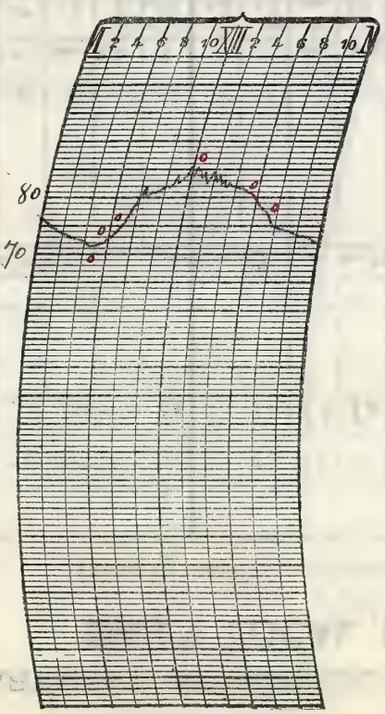


o Sun shining through detached clouds.

NOTES.

Clear in the morning with increasing cloudiness during the day, the late afternoon and night being generally cloudy. Dull moonlight at night. The weather was somewhat cooler than that of the day preceding.

Prepared by H. S. Baker

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 5 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	69	69	68	67	68	68	71	73	74	79	80
				RB			RE					
State of weather: Nature of precipitation and time of beginning and ending				3:50			6:35					
Amounts of precipitation				T	T	T	.03					
Cloudiness and other conditions	Cloudy							Pt. Cloudy			Clear	
Sunrise: Time, 4:09 Character, Cloudy												
Moonrise: ---												
Sunshine (in tenths of hours)					0	0	0	0.8	1.0	1.0	1.0	1.0
Wind direction	SW	S	S	S	SW	SW	SW	W	W	SW	SW	S
Wind movement	4	6	7	4	7	6	8	8	7	9	8	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	81	82	83	82	81	80	78	76	74	72	69	66
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, 7:09 Character, Cloudy												
Moonset: ---												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.4 × 0.6	0.8 0	0				
Wind direction	S	S	SW	SW	SW	SW	S	S	S	S	SW	W
Wind movement	12	13	14	12	13	10	6	6	7	7	10	7

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

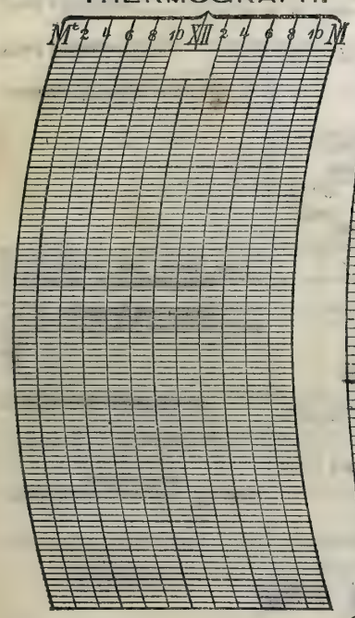
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	66	74	

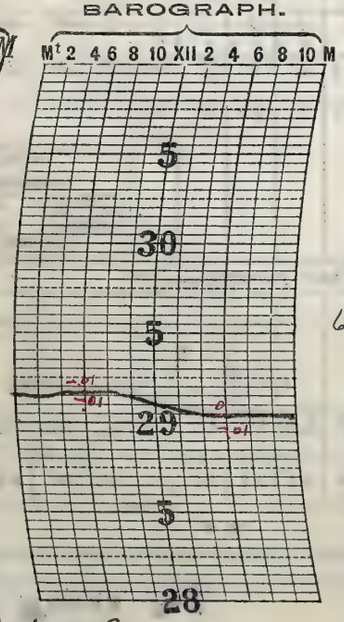
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Pt Cloudy Moon phase, First Quarter 6:22 am
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 11.6 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 77
Prevailing wind direction, SW Total wind 200
Average hourly velocity, 8.3 Extreme velocity, 20
Maximum velocity, 18 Direction, SW
Time began, 1:57 p.m.
Reduced barometer, 30.09 7 a. m. 29.93 7 p. m.
River gage, 2.9 ft.
Relative humidity, 88 7 a. m. 48 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 79.8 Wet temperature, 64.0
Dew-point, 54 R. humidity, 42 V. pressure, .417
Clouds: Amount, 3; Kind, Cu; Direction, SW.
Velocity of clouds (miles per hour)

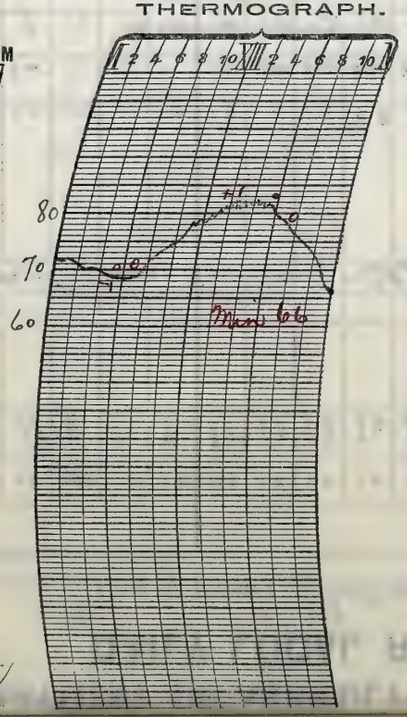
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



× From eye obs.

NOTES.

Decreasing Cloudiness from the early morning, the afternoon and night being Clear. Dull moonlight at night. Pleasant temperatures obtained during the day.

Prepared by A. S. Baker
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 6 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	64	63	61	60	62	64	65	66	69	71	73
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear					Pt. Cloudy	
Sunshine (in tenths of hours)					0.85 0	1.0 0	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	W	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	SW
Wind movement	6	8	7	8	9	8	10	12	14	15	16	16
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	74	76	71	69	69	69	68	67	64	63	62
State of weather: Nature of precipitation and time of beginning and ending				RB 8:30	RE 4:40					RB 9:30	RE 10:15	
Amounts of precipitation				T	.07					T	T	
Cloudiness and other conditions					Cloudy		Pt. Cloudy					
Sunshine (in tenths of hours)	1.0	1.0	0.9	0	Ø 0.2	Ø 0.4	0	0				
Wind direction	SW	SW	SW	SW	W	SW	SW	S	S	SW	SW	SW
Wind movement	17	16	18	11	9	6	5	5	8	10	8	7

Sunrise: Time, 4:09; Character, Clear. Moonrise: 12:49 pm

Sunset: Time, 7:10; Character, Cloudy. Moonset: 12:06 am

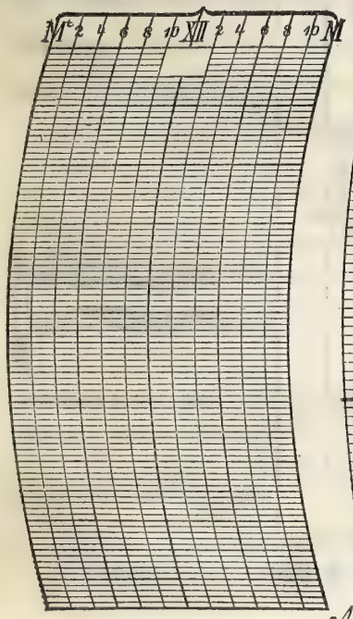
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	60	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .07 ins.
Total precipitation, midnight to midnight, .07 inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 11.4 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 76
Prevailing wind direction, SW Total wind 249
Average hourly velocity, 10.4 Extreme velocity, 25
Maximum velocity, 21 Direction, SW
Time began, 2:24 pm
Reduced barometer, 29.99 7 a. m. 29.92 7 p. m.
River gage, 2.8 ft.
Relative humidity, 69 7 a. m. 78 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 PM (Local Mean Time.)
Dry temperature, 73.4 Wet temperature, 59.9
Dew-point, 51 R. humidity, 45 V. pressure, .373
Clouds: Amount, 7; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

THERMOGRAPH.



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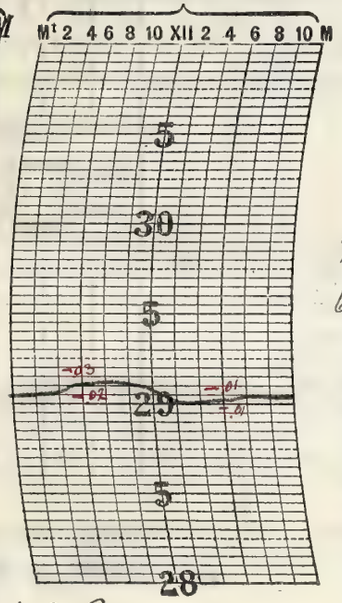
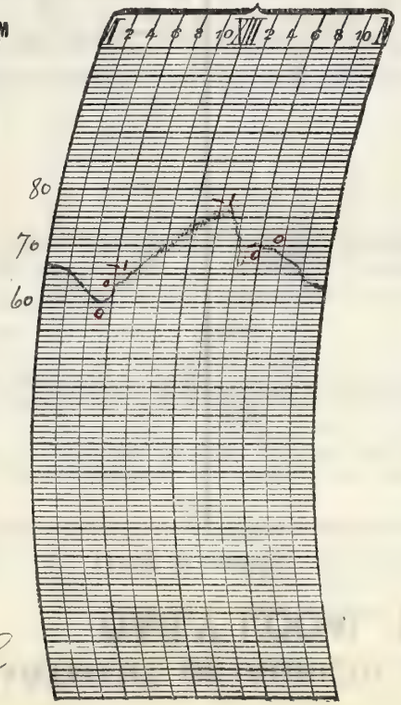


THERMOGRAPH.



Prepared by A. S. Baker
Verified by P. M. Donough

8—486

Sun shining through detached clouds.

NOTES.

Moderate temperatures prevailed. Increasing cloudiness during the day, with showers in the afternoon and late night.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 7 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	60	59	58	58	59	61	62	66	67	58	62
State of weather: Nature of precipitation and time of beginning and ending								RB 7:10 RE 7:22 RB 7:42	RE 8:02	RB 9:58	—	RE 11:15
Amounts of precipitation								.17	T	T	.94	.01
Cloudiness and other conditions				Cloudy				Cloudy			Cloudy	
Sunrise: Time, 4:09; Character, Cloudy												
Moonrise: 1:48 pm												
Sunshine (in tenths of hours)					0	0	0	0.1	0.8	0.8	0	0.5
Wind direction	S	S	SW	S	S	SW	S	S	SE	SE	SE	SE
Wind movement	7	8	7	8	7	7	6	6	2	6	10	4

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	74	76	74	75	73	72	71	69	67	66	63
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pt Cloudy				Clear					
Sunset: Time, 7:10; Character, Cloudy												
Moonset: 12:32 am												
Sunshine (in tenths of hours)	1.0	0.9	1.0	1.0	1.0	0.5	0	0				
Wind direction	SW	SW	SW	NW	W	W	W	W	W	W	W	W
Wind movement	8	11	13	10	13	10	6	5	3	2	4	3

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	57	66	

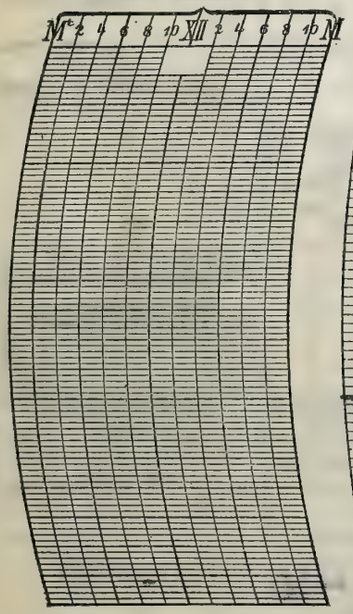
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 1.12 ins.
Total precipitation, midnight to midnight, 1.12 inches.
Character of day, Pt Cloudy. Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 7.6 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 51
Prevailing wind direction, W Total wind 166
Average hourly velocity, 6.9 Extreme velocity, 32
Maximum velocity, 25 Direction, NW
Time began, 10:28 am.
Reduced barometer, 29.97, 7 a. m. 29.97, 7 p. m.
River gage, 2.8 ft.
Relative humidity, 90, 7 a. m. 57, 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts	9:58a	11:15a	.95	10:12a	10:47a	.01	.08	.14	.20	.46	.68	.83	.88							

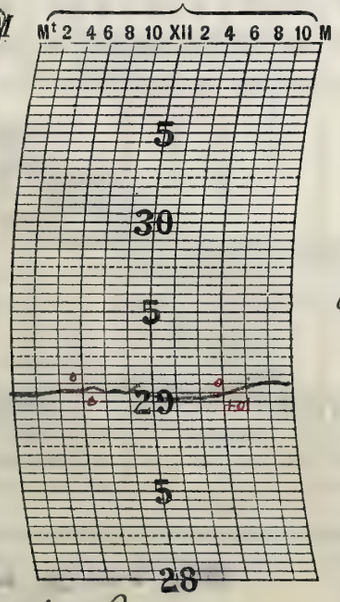
OBSERVATIONS AT 12 ~~NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 69.0 Wet temperature, 63.4
Dew-point, 60 R. humidity, 74 V. pressure, .517
Clouds: Amount, 4; Kind, Cu St; Direction, SW
Velocity of clouds (miles per hour)

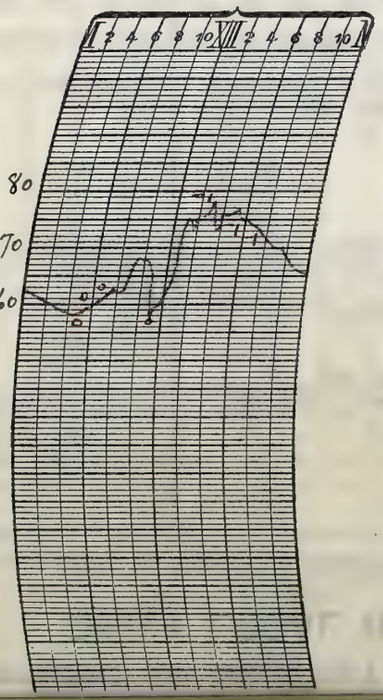
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather was generally unsettled during a large part of the day, but it was clear at night with moonlight.

A thunderstorm began at 7:50 am. and ended at 11:15 am. The storm came from the southwest, and was attended by heavy and excessive rain, especially from 10:12 am to 10:47 am., flooding cellars and basements in various parts of the city. Moderate temperature obtained during the day.

Prepared by W. S. Baker.
Verified by P. M. Donough.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 8 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	61	62	62	62	62	65	69	70	72	72	73	75	76	76	76	77	77	75	71	68	67	65	62
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Clear							→	← Pt. Cloudy					← Clear						→
Sunshine (in tenths of hours)					0.85 0	0.2 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9 0.1	0.8 0				
Wind direction	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W	W	W	W	N	N	N
Wind movement	4	5	4	5	6	6	6	9	11	13	13	13	14	12	10	9	9	6	4	3	4	5	5	5
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:09; Character, Clear. Moonrise: 2:47 pm.

Sunset: Time, 7:11; Character, Clear. Moonset: 1:00 a.m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

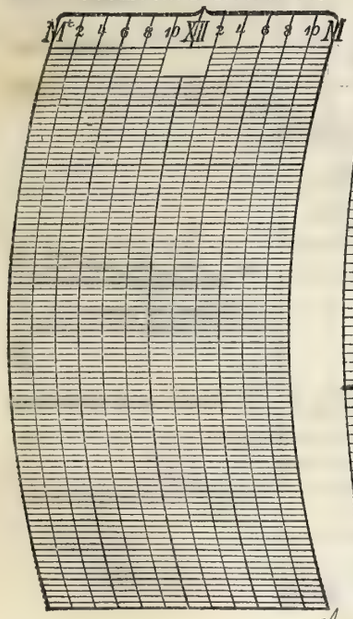
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
77	61	69	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 15.0. Possible sunshine, hours, 15.0
Per cent of possible sunshine, 100
Prevailing wind direction, W. Total wind 181
Average hourly velocity, 7.5. Extreme velocity, 18
Maximum velocity, 17. Direction, SW
Time began, 12:44 p.m.
Reduced barometer, 30.05, 7 a. m. 30.08, 7 p. m.
River gage, 2.8 ft.
Relative humidity, 70, 7 a. m. 53, 7 p. m.

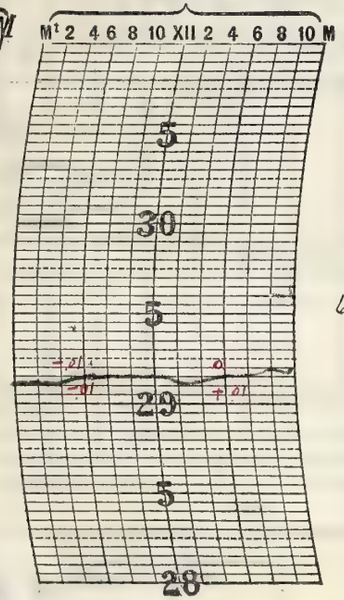
OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)

Dry temperature, 73.0. Wet temperature, 60.8
Dew-point, 53. R. humidity, 49. V. pressure, .402
Clouds: Amount, 5; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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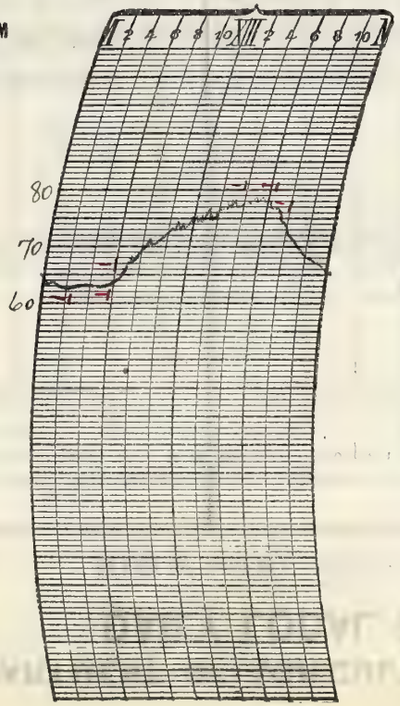


NOTES.

Clear in the early morning and at night, but some cloudiness during the middle of hours. Moonlight at night. Pleasant temperatures. Throughout the day was exceptionally fine and pleasant.

Prepared by A. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 9 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	62	61	60	60	64	66	70	72	75	75	76	77	81	83	81	80	80	77	73	72	71	69	68
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←							Clear											→
Sunshine (in tenths of hours)					0.8 / 0	0.3 / 0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8 / 0.2	0.20 / 0				
Wind direction	NE	E	E	N	N	NE	NE	NE	NE	NE	NE	E	SE	SE	SW	SW	NE	E	E	E	E	E	E	E
Wind movement	3	1	1	2	2	3	4	5	6	4	5	4	5	4	6	5	6	6	5	5	6	7	6	5
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:08 Character, Clear
Moonrise: 3:45 pm.
Sunset: Time, 7:12 Character, Clear
Moonset: 1:29 am.

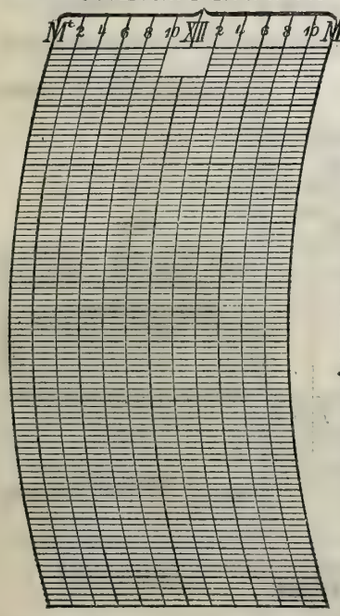
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	60	72	

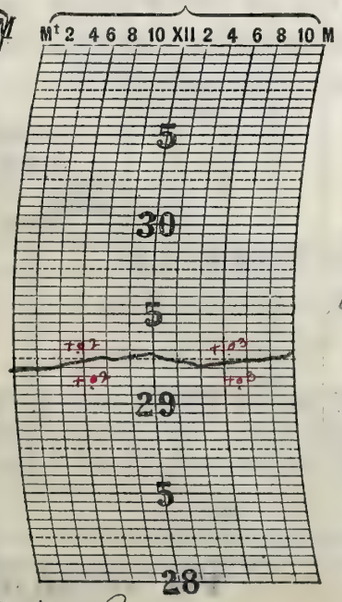
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 15.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind 106
Average hourly velocity, 4.4 Extreme velocity, 9
Maximum velocity, 9 Direction, E
Time began, 9:30 pm.
Reduced barometer, 30.18, 7 a. m. 30.17, 7 p. m.
River gage, 2.7
Relative humidity, 67 7 a. m. 54 7 p. m.

OBSERVATIONS AT 12 ~~NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 78.0 Wet temperature, 63.5
Dew-point, 55 R. humidity, 45 V. pressure, .432
Clouds: Amount, 3; Kind, Cu; Direction, SE
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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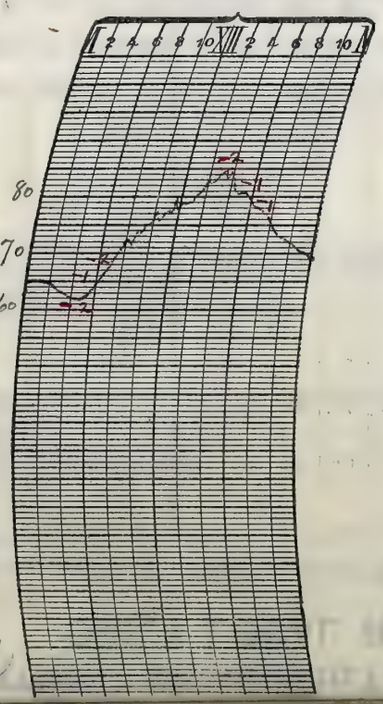


NOTES.

Clear and pleasant weather with moonlight at night.

Prepared by N. S. Baker.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) June 10, 1919

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	65	64	62	63	64	68	75	80	83	84	86	87	87	86	88	87	81	80	78	76	74	73	71
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←				Clear					→	Pt. Cloudy			←	Cloudy				
Sunrise: Time, 4:08; Character, Clear																					Sunset: Time, 7:12; Character, Cloudy			
Moonrise: 4:44 pm.																					Moonset: 2:02 am			
Sunshine (in tenths of hours)					0.87 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.6	0.6	0.2	0	0				
Wind direction	E	E	NE	NE	E	E	E	E	SE	S	SE	SE	SE	E	SE	SE	S	SW	SE	S	SW	E	NE	NE
Wind movement	4	5	3	5	6	5	4	4	4	3	7	6	6	7	6	5	7	8	3	3	4	4	6	6
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

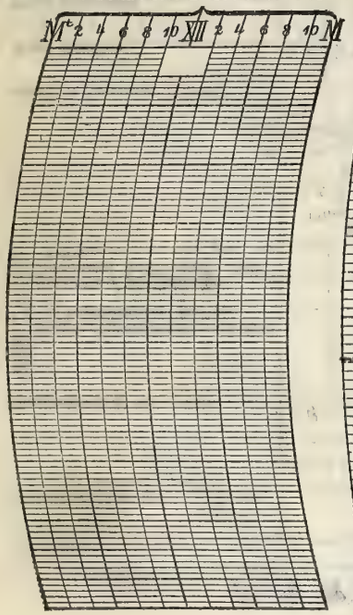
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	62	75	

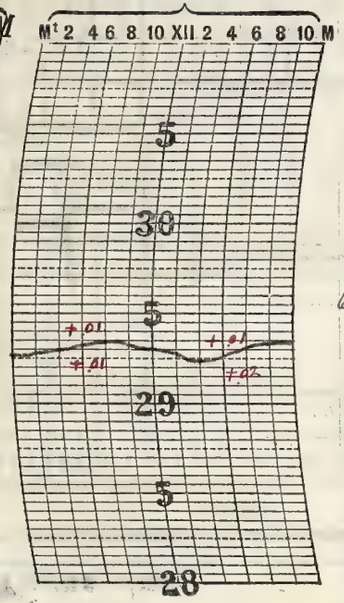
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.0 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 79
Prevailing wind direction, E Total wind 121
Average hourly velocity, 5.0 Extreme velocity, 16
Maximum velocity, 23 Direction, S.W.
Time began, 5:21 p.m.
Reduced barometer, 30.25 7 a. m. 30.21 7 p. m.
River gage, 2.8 ft.
Relative humidity, 74 7 a. m. 59 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 7:38 PM (Local Mean Time.)
Dry temperature, 84.8 Wet temperature, 67.8
Dew-point, 59 R. humidity, 41 V. pressure, .499
Clouds: Amount, 3; Kind, Cu; Direction, SE
Velocity of clouds (miles per hour)

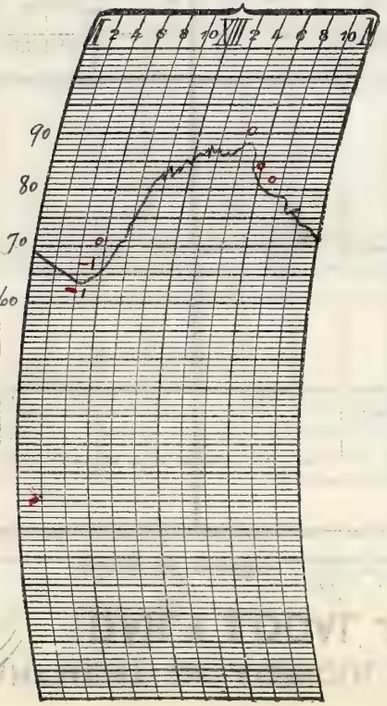
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Rising temperature. Forenoon Clear but considerable Cloudiness in the afternoon and night. Moonlight through rifts in Clouds at night.

Prepared by A. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 11 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	68	67	66	66	68	71	77	81	84	87	88	89	90	88	88	85	73	70	69	69	69	69	68
State of weather: Nature of precipitation and time of beginning and ending																	RB 4:50	–	–	–	–	RE 9:45		
Amounts of precipitation																	.03	.06	.01	.03	.03	T		
Cloudiness and other conditions						Clear					Pt. Cloudy							Cloudy						
Sunrise: Time 4:08, Character Clear																					Sunset: Time 7:13, Character Cloudy			
Moonrise: 5:37 pm																					Moonset: 2:39 am			
Sunshine (in tenths of hours)					0.87 0	1.0 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0	0	0				
Wind direction	NE	NE	NE	E	E	E	E	E	SE	SE	SE	SE	S	SE	E	SE	E	SW	NE	NE	NE	NE	W	NE
Wind movement	7	6	4	5	5	5	5	3	3	5	5	6	4	5	6	7	10	9	7	10	9	8	3	4
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	66	78	

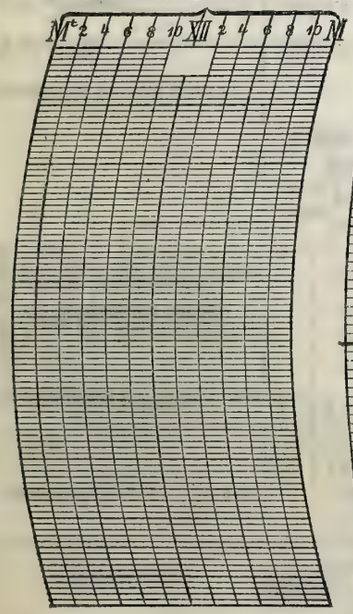
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .09 ins.
Total precipitation, midnight to midnight, .16 inches.
Character of day, Pt Cloudy. Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 12.6 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 83
Prevailing wind direction, NE Total wind 141
Average hourly velocity, 5.9 Extreme velocity, 31
Maximum velocity, 25 Direction, SW
Time began, 4:48 pm.
Reduced barometer, 30.31, 7 a. m. 30.30, 7 p. m.
River gage, 2.7 ft.
Relative humidity, 76, 7 a. m. 90, 7 p. m.

OBSERVATIONS AT 12 ~~NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 88.0 Wet temperature, 70.0
Dew-point, 61, R. humidity, 41 V. pressure, .536
Clouds: Amount, 4; Kind, Cu St; Direction, SW
Velocity of clouds (miles per hour)

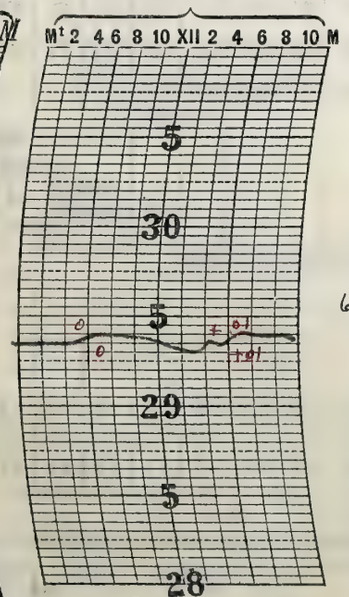
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

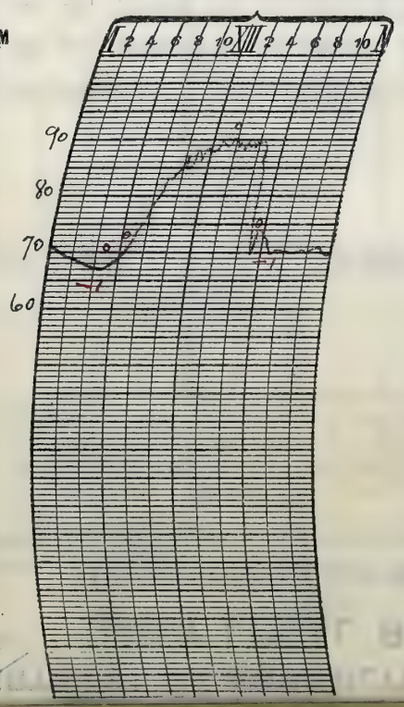
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by A. S. Baker.
Verified by P. McDonough

NOTES.

Clear in the early morning, but increasing cloudiness during the day, the day being generally partly cloudy. A thunderstorm developed suddenly in the afternoon, and rain continued from 4:50 pm till 9:45 pm. The day was quite warm, but the temperature fell sharply after 5 pm. The first thunder was heard at 4:50 pm; the storm came from the southwest, and the last thunder was heard at 7:00 pm.

8—480.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 12 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	68	67	67	66	66	67	70	72	75	78	81	86	87	88	86	77	77	75	75	74	73	73	72	71
State of weather: Nature of precipitation and time of beginning and ending																RB 3:35		RE 5:35						
Amounts of precipitation																T	T	T						
Cloudiness and other conditions	Pt Cloudy →												Clear →			Pt Cldy →		Cloudy →						

Sunrise: Time, 4:08; Character, Cloudy. Moonrise: 6:31 pm.

Sunset: Time, 7:13; Character, Cloudy. Moonset: 3:20 am.

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)					0	0	0.3	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0	0	0	0	0				
Wind direction	E	E	E	NE	NE	NE	E	E	NE	NE	NE	NE	NE	NE	SE	SE	SE	E	E	E	SW	SW	SW	N
Wind movement	6	5	2	4	4	5	5	4	5	4	4	4	4	8	16	9	5	6	4	3	4	2	1	3
Maximum velocities (exceeding 29 miles) direction and time															30 SE 2:38									

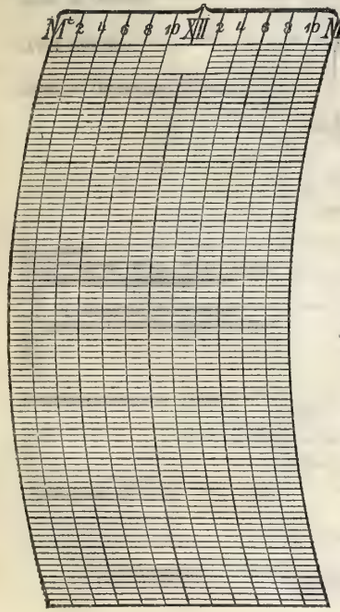
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	66	77	

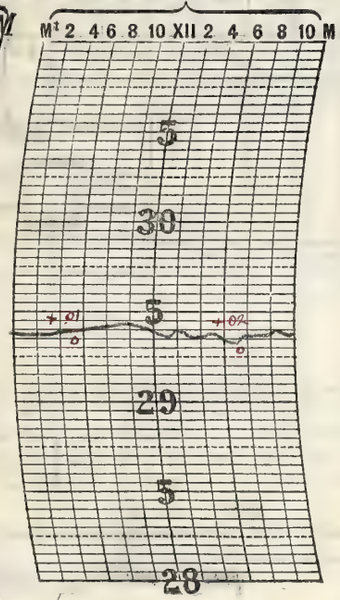
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .07 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy. Moon phase,
Average daily cloudiness (0–10), 5
Actual sunshine, hours, 7.8 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 52
Prevailing wind direction, NE Total wind 117
Average hourly velocity, 4.9 Extreme velocity, 34
Maximum velocity, 30 Direction, SE.
Time began, 2:38 p.m.
Reduced barometer, 30.32 7 a. m. 30.25 7 p. m.
River gage, 2.7 ft.
Relative humidity, 86 7 a. m. 77 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 86.8 Wet temperature, 72.0
Dew-point, 65 R. humidity, 49 V. pressure, .616
Clouds: Amount, 2 3 SW; Kind, a. St. cu; Direction, SE
Velocity of clouds (miles per hour)

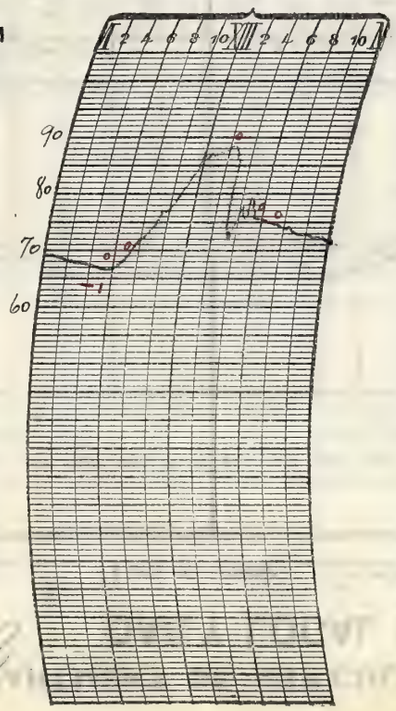
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather during a considerable part of the day was partly cloudy, but threatening clouds began to form in the Southwest about 1:30 pm. The sky soon become overcast, and a moderate thunderstorm began at 2:28 pm. It continued at intervals until 5:35 pm. Its general movement was from the Southwest, although northeasterly to easterly winds prevailed. Almost coincident with the first peal of thunder the temperature fell from 88° to 75°. Only a trace of rain resulted from the storm. The night remained cloudy, and although the temperature was not very high the weather was unusually sultry and oppressive.

Prepared by H. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 13 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	71	71	70	68	72	74	77	78	81	82	85
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunshine (in tenths of hours)					0.87 / 0	1.0 / 0	0.2 / 0.8	1.0	1.0	1.0	1.0	1.0
Wind direction	N	NE	NE	NE	E	SE	S	S	SW	SW	W	NW
Wind movement	3	3	2	2	3	2	2	4	7	7	6	4

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	87	86	86	86	82	82	79	78	77	76	74	73
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Partly cloudy						
Sunshine (in tenths of hours)	1.0	1.0	0.9	1.0	0.6	0	0	0				
Wind direction	N	NE	NE	E	NE	NE	N	E	SE	NE	NW	NW
Wind movement	6	4	3	4	7	5	3	3	1	2	3	4

State of weather.

Sunrise: Time, 4:08; Character, Clear. Moonrise: 7:20pm

Sunset: Time, 7:14; Character, Cloudy. Moonset: 4:07am

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
87	68	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase, Full Moon 10:28am
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 12.4 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 82
Prevailing wind direction, NE Total wind 90
Average hourly velocity, 3.8 Extreme velocity, 11
Maximum velocity, 11 Direction, N
Time began, 4:32pm
Reduced barometer, 30.34, 7 a. m. 30.27, 7 p. m.
River gage, 3.3 ft.
Relative humidity, 78, 7 a. m. 62, 7 p. m.

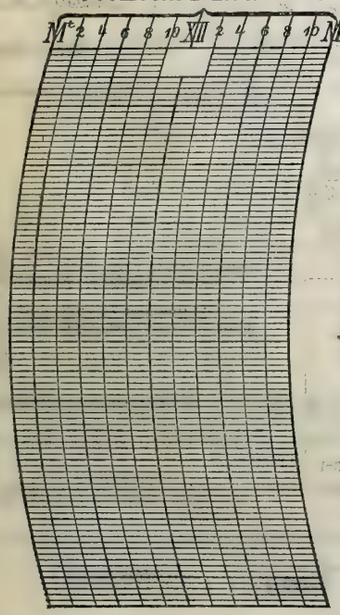
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

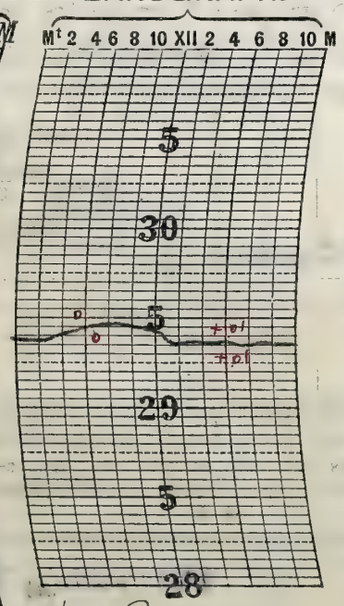
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M. (Local Mean Time.)

Dry temperature, 86.0 Wet temperature, 71.5
Dew-point, 65 R. humidity, 50 V. pressure, .616
Clouds: Amount, 1; Kind, a. cu.; Direction, W
Velocity of clouds (miles per hour)

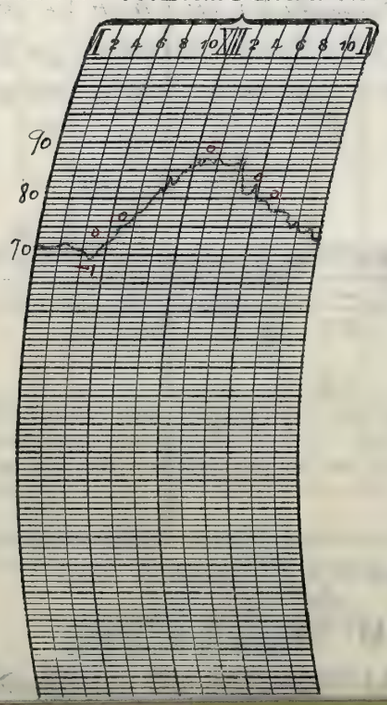
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by H. S. Baker

Verified by R. M. Kronmayer

NOTES.

O Sun shining through detached clouds.

The day opened clear and warm, and the weather remained warm and oppressive throughout the day. There was some cloudiness during the forenoon and early afternoon and light haze during a part of the afternoon. About 4 pm the sky became overcast and thunder was heard in the west at 4:15 pm. The thunder was intermittent until 4:50 pm, when the storm ended. The temperature did not change materially during the electrical disturbance, and precipitation did not attend the storm. The weather during the night remained warm and generally cloudy.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 14 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	71	71	70	70	72	74	79	81	85	86	88	90	90	89	84	83	82	80	78	77	76	75	74
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Clear																			
Sunshine (in tenths of hours)					0.8 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0	0	0				
Wind direction	NW	W	NW	NW	W	W	W	N	N	N	N	N	N	N	NW	NW	NW	NW	NW	W	W	NW	NW	NW
Wind movement	2	3	2	3	2	1	3	3	4	5	6	5	5	5	7	9	8	6	5	4	6	5	4	4
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:08; Character, Clear. Moonrise: 8:04 pm.

Sunset: Time, 7:14; Character, Cloudy. Moonset: 5:00 am.

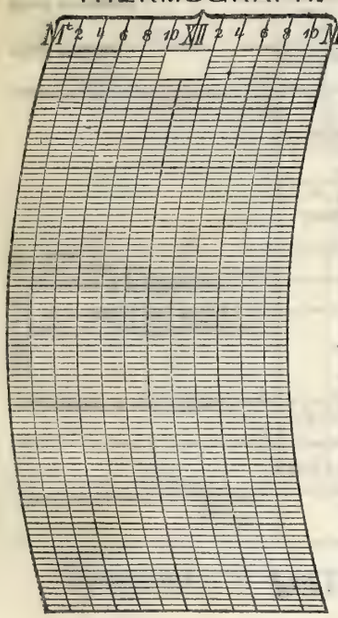
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	70	80	

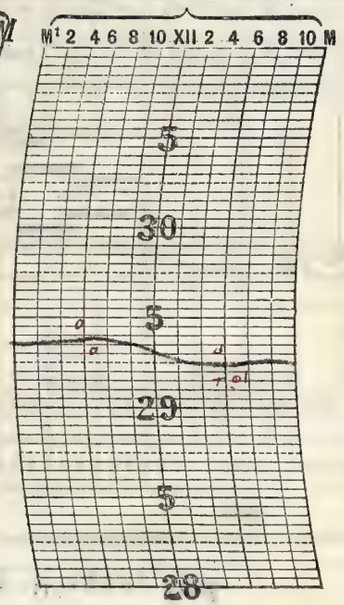
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.3 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 81
Prevailing wind direction, NW Total wind 107
Average hourly velocity, 4.5 Extreme velocity, 13
Maximum velocity, 13 Direction, NW.
Time began, 3:18 p. m.
Reduced barometer, 30.28 7 a. m. 30.15 7 p. m.
River gage, 4.4 ft.
Relative humidity, 80 7 a. m. 78 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 p. m.
(Local Mean Time.)
Dry temperature, 88.0 Wet temperature, 72.0
Dew-point, 65 R. humidity, 46 V. pressure, .616
Clouds: Amount, 4; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

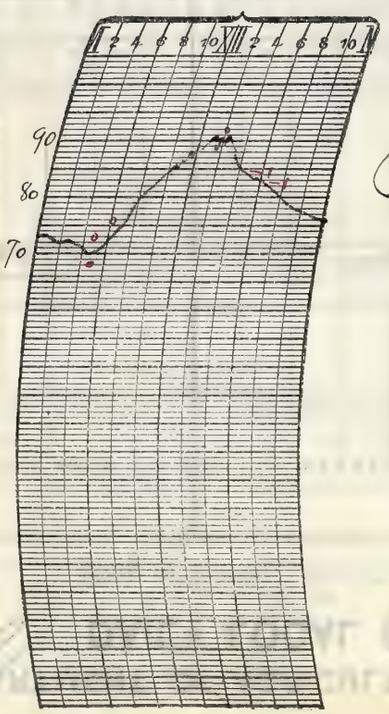
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Increasing cloudiness during the day, the weather being generally partly cloudy. Moonlight in the late night. Continued warm and oppressive weather.
A light deposit of dew occurred in the early morning

Prepared by H. S. Baker.
Verified by C. M. Hovorka

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 15 1919, 191-

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	72	71	70	70	72	76	79	82	84	85	86
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					← Clear →							
Sunshine (in tenths of hours)					0.87 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	N	N	NW	N	N	N	N	N	N	N
Wind movement	4	4	4	5	4	5	5	7	8	6	7	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	88	89	90	90	89	83	84	82	80	78	78	76
State of weather: Nature of precipitation and time of beginning and ending						RB 5:25 RE 5:55						
Amounts of precipitation						T						
Cloudiness and other conditions					← Pt. Cloudy →							
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.8	0.4					
Wind direction	N	N	N	N	N	N	N	NW	N	N	NE	N
Wind movement	8	8	11	10	8	9	4	5	7	7	4	3

Sunrise: Time, 4:08 Character, Clear
Moonrise: 8:44 pm
Sunset: Time, 7:14 Character, Cloudy
Moonset: 5:57 am

Maximum temperature. 90 | Minimum temperature. 70 | Mean temperature. 80 | Normal temperature.

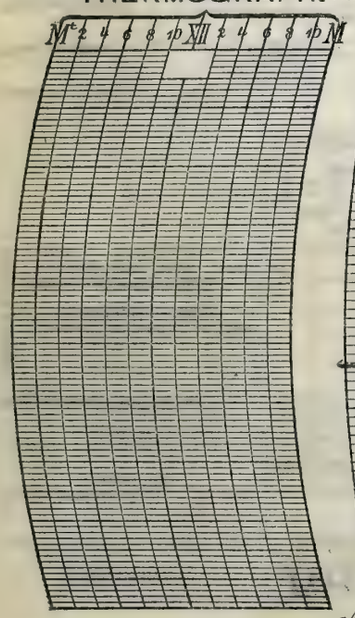
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 14.5 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 96
Prevailing wind direction, N Total wind 150
Average hourly velocity, 6.2 Extreme velocity, 14
Maximum velocity, 13 Direction, NW
Time began, 2:33 p.m.
Reduced barometer, 30.14 7 a. m. 30.02 7 p. m.
River gage, 9.8 ft.
Relative humidity, 72 7 a. m. 56 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

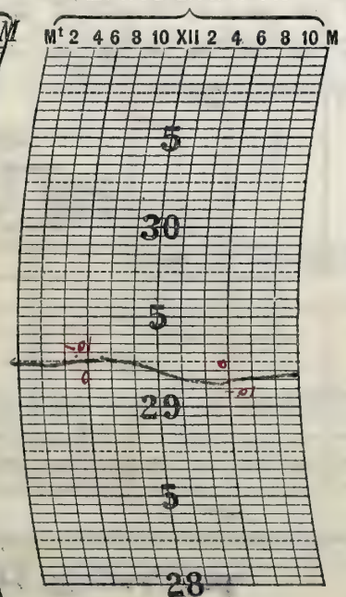
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.
(Local Mean Time.)
Dry temperature, 87.2 Wet temperature, 72.2
Dew-point, 65 R. humidity, 49 V. pressure, .616
Clouds: Amount, 6; Kind, cu; Direction, N
Velocity of clouds (miles per hour)

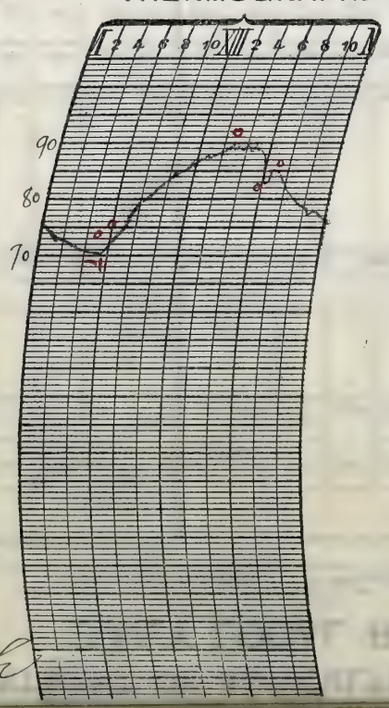
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by N. S. Baker
Verified by F. McDonough

* From eye obs.

NOTES.

Light dew in the early morning. Forenoon clear and afternoon Pt. Cloudy, with light shower from 5.25 pm to 5.50 pm. Oppressively warm.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 16 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	74	73	72	71	73	76	81	81	83	84	86
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Clear →											
Wind direction	NW	N	NW	N	N	N	N	NE	NE	NE	NE	NE
Wind movement	4	3	4	3	4	4	5	7	8	7	7	6
Sunshine (in tenths of hours)					0.87 / 0	0.2 / 0.8	1.0	1.0	1.0	1.0	1.0	1.0

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	87	90	88	80	74	77	77	76	75	75	74	73
Nature of precipitation and time of beginning and ending				RB 3:45	RE 4:20				RB 8:55	RE 9:30		
Amounts of precipitation				.02	T				T	T		
Cloudiness and other conditions				← Cloudy →								
Wind direction	NE	N	N	N	NE	S	SW	N	W	W	W	W
Wind movement	6	6	5	13	5	1	4	2	2	2	2	2
Sunshine (in tenths of hours)	1.0	1.0	0 / 1.0	0 / 0.2	0	0 / 0.4	0 / 0.1	0				

Sunrise: Time, 4:08 Character, Clear
Moonrise: 9:10pm
Sunset: Time, 7:25 Character, Cloudy
Moonset: 6:57am

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	71	80	✓

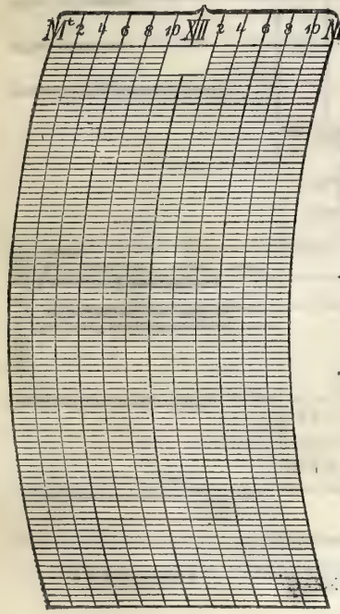
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, • inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.6 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 77
Prevailing wind direction, N Total wind 112
Average hourly velocity, 4.7 Extreme velocity, 25
Maximum velocity, 23 Direction, N
Time began, 3:28pm
Reduced barometer, 30.04 7 a. m. 30.00 7 p. m.
River gage, 3.8 ft.
Relative humidity, 75 7 a. m. 79 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

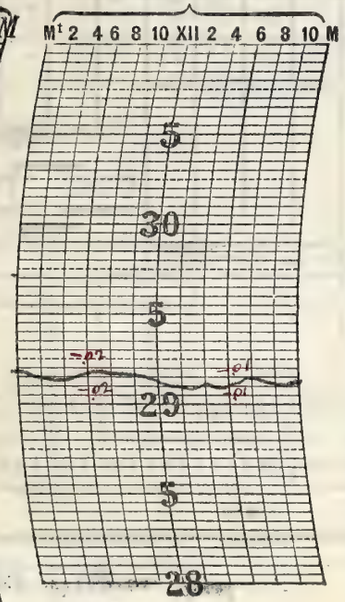
Maximum velocities (exceeding 29 miles) direction and time

OBSERVATIONS AT ~~12 NOON~~. 12:38 PM (Local Mean Time.)
Dry temperature, 86.0 Wet temperature, 72.0
Dew-point, 66 R. humidity, 51 V. pressure, .638
Clouds: Amount, 5; Kind, Cu; Direction, N.
Velocity of clouds (miles per hour)

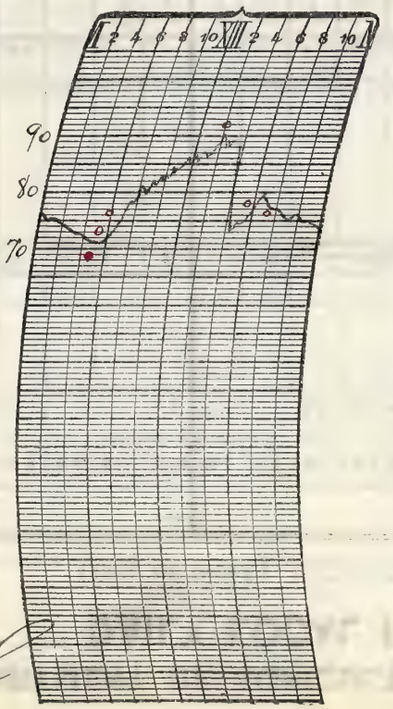
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by F. W. Baker.
Verified by F. M. Donough

8—486

• Sun shining through detached clouds.

NOTES.

Clear in the morning but increasing cloudiness in the late forenoon, with the greater part of the afternoon and night cloudy. Continued warm and oppressive weather.

A moderate thunderstorm occurred between 3:16 p.m. and 4:20 p.m., the storm moving from the north. Light rain attended the storm at Fort Wayne, but about 10 miles to the northeastward of station the rainfall was very heavy.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 17 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	72	71	71	71	72	75	74	77	79	81	82	83	85	86	86	87	86	83	80	79	77	75	73
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
Sunshine (in tenths of hours)					0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.7 0.3	0.25 0				
Wind direction	N	N	NE	NE	NE	NE	NE	NE	NE	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	NE	NE
Wind movement	3	6	4	2	2	5	7	6	6	4	6	6	8	8	8	6	5	5	6	7	7	5	7	7
Maximum velocities (exceeding 29 miles) direction and time																								

Pt. cloudy → ← clear

Sunrise: Time, 4:08 Character, Cloudy
Moonrise: 9:52 pm

Sunset: Time, 7:15 Character, Clear
Moonset: 8:00 am

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

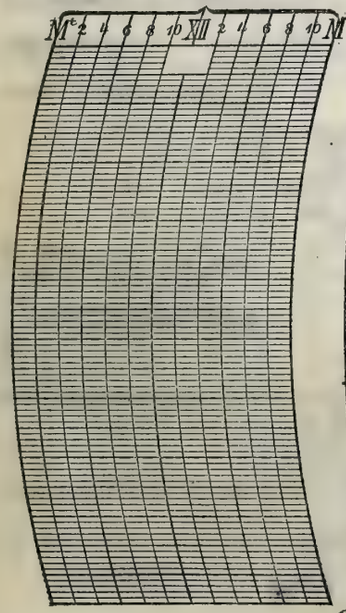
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
87	71	79	

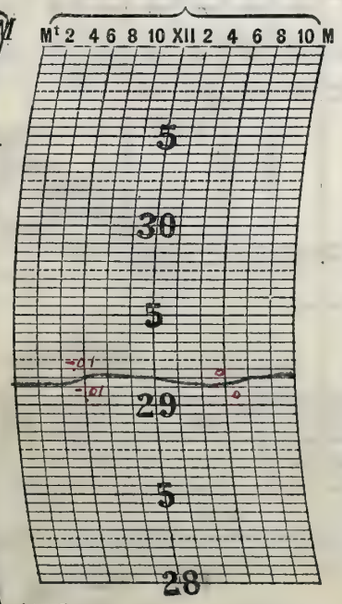
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 13.6 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 90
Prevailing wind direction, NE Total wind 136
Average hourly velocity, 5.7 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 7:40 pm.
Reduced barometer, 30.05 7 a. m. 30.01 7 p. m.
River gage, 3.0 ft.
Relative humidity, 78 7 a. m. 56 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 84.0 Wet temperature, 69.8
Dew-point, 63 R. humidity, 49 V. pressure, .575
Clouds: Amount, 4; Kind, Cu; Direction, NW NE
Velocity of clouds (miles per hour)

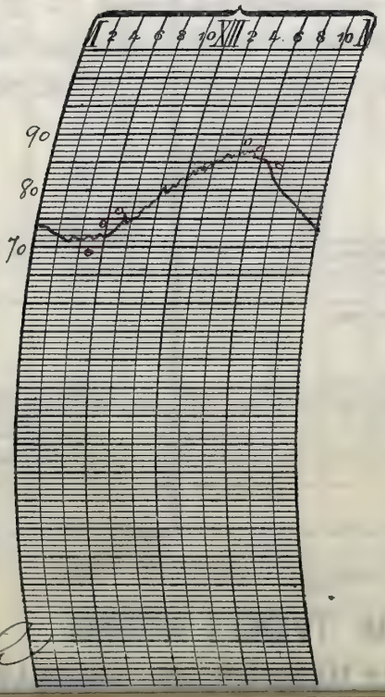
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Continued warm weather but not quite so depressing as it had been during the several days immediately preceding. Partly cloudy in the forenoon, but generally clear in the afternoon. Cumulus clouds from the northeast prevailed.

Prepared by M B Baker.
Verified by R. McDonnell

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 18 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	72	71	70	69	71	73	75	77	80	82	84	88	90	88	89	88	88	83	81	80	78	77	76
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←				clear								Pt. cloudy			→	Clear			
Sunshine (in tenths of hours)					0.8	0.7												0.7	0.8					
					0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.7	1.0	0.3	0	0				
Wind direction	NE	NE	NE	NE	NE	NE	NE	E	E	NE	NE	NE	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	SW
Wind movement	7	5	5	5	5	5	7	4	5	6	7	4	4	5	6	6	6	7	6	6	6	5	4	3
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:08; Character, Clear. Moonrise: 10:23 pm.

Sunset: Time, 7:15; Character, Cloudy. Moonset: 9:03 am.

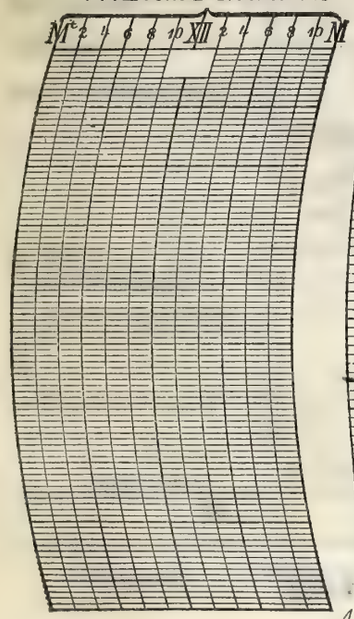
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	69	80	✓

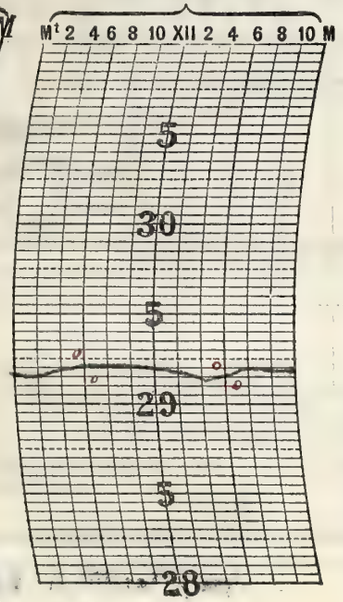
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.1. Possible sunshine, hours, 15.1
Per cent of possible sunshine, 93
Prevailing wind direction, NE. Total wind 129
Average hourly velocity, 5.4. Extreme velocity, 13
Maximum velocity, 13. Direction, NE
Time began, 9:38 am.
Reduced barometer, 30.10, 7 a. m. 30.04, 7 p. m.
River gage, 2.8 ft.
Relative humidity, 78, 7 a. m. 65, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 87.0. Wet temperature, 72.5
Dew-point, 66. R. humidity, 50. V. pressure, 638
Clouds: Amount, 2; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

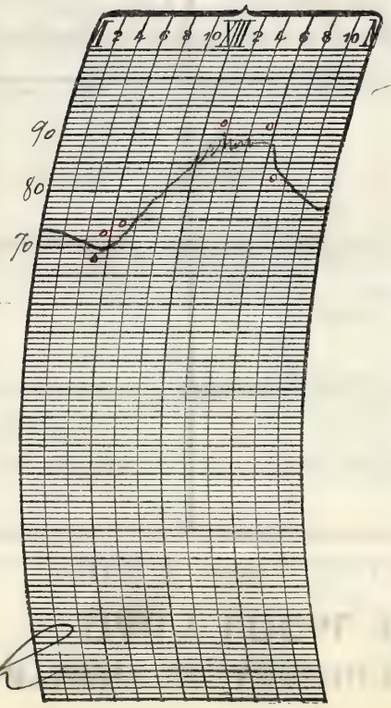
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



x From eye obs.

NOTES.

Continued warm weather, clear skies predominated

Prepared by A. S. Barker

Verified by J. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 19 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	77	76	75	74	77	79	85	87	90	91	92
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					←		Clear					→
Sunshine (in tenths of hours)					0.87 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	S	S	SW	S	S
Wind movement	2	5	4	4	3	4	5	7	7	7	7	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	92	92	75	73	75	75	75	75	74	73	73	72
State of weather: Nature of precipitation and time of beginning and ending			R 13 2:40	RE 3:50								
Amounts of precipitation			T	.19								
Cloudiness and other conditions			Pt. Cloudy				Cloudy					→
Sunshine (in tenths of hours)	1.0	1.0	0.6	0	0	0	0	0				
Wind direction	SW	SW	W	N	NE	W	SW	NW	W	SW	W	SW
Wind movement	7	8	10	8	6	5	8	3	2	5	3	6

Sunrise: Time, 4:08; Character, Clear. Moonrise: 10:52 pm.

Sunset: Time, 7:16; Character, Cloudy. Moonset: 10:09 am.

Maximum velocities (exceeding 29 miles) direction and time

Total duration From—	Total duration To—	Total amount of precipitation	Excessive rate Began—	Excessive rate Ended—	Amount before excessive began	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

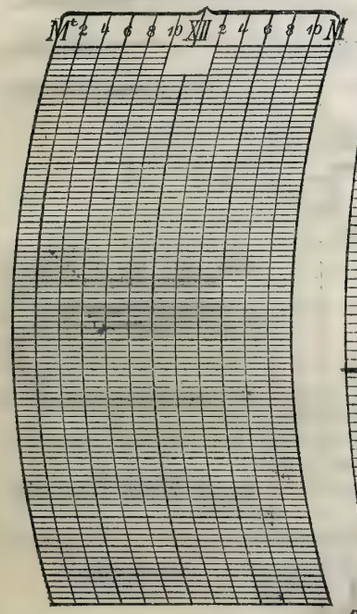
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	72	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .19 ins.
Total precipitation, midnight to midnight, .19 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 10.5 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 70
Prevailing wind direction, S Total wind 133
Average hourly velocity, 5.5 Extreme velocity, 16
Maximum velocity, 15 Direction, SW
Time began, 6:15 pm.
Reduced barometer, 30.11, 7 a. m. 30.05 7 p. m.
River gage, 2.7 ft.
Relative humidity, 66, 7 a. m. 76, 7 p. m.

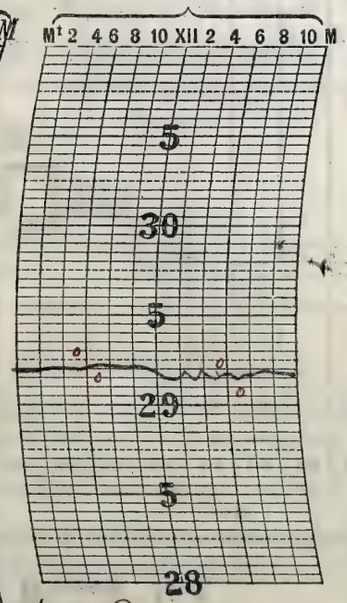
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 91.4 Wet temperature, 72.0
Dew-point, 63 R. humidity, 39 V. pressure, .75
Clouds: Amount, 4; Kind, Cu St Cu; Direction, SW SW
Velocity of clouds (miles per hour)

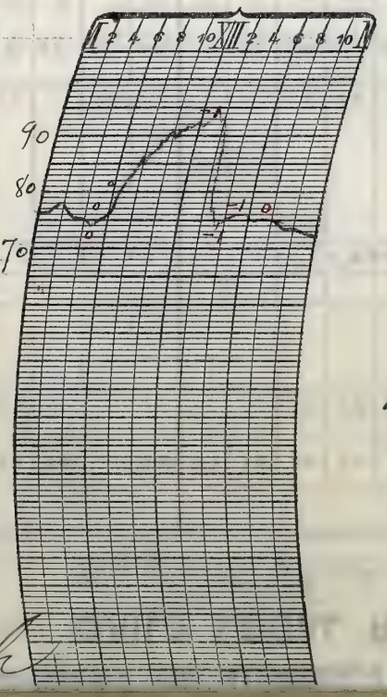
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear in the forenoon, but with increasing cloudiness, the afternoon being cloudy and threatening, with a thunder shower from 2:40 pm to 3:50 pm. The weather was intensely warm prior to 2:40 pm., but a thunderstorm that prevailed from 2:40 pm to 3:50 pm brought considerable relief, the temperature falling from 93° to 72°. The storm moved from the southwest. The weather during the night was mostly cloudy and the temperature was mild.

Prepared by N. S. Baker.

Verified by J. M. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 20 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	71	71	70	72	71	74	76	80	80	81
State of weather: Nature of precipitation and time of beginning and ending				RB	RE							
				IN	IN							
Amounts of precipitation				.01	T							
Cloudiness and other conditions	← Cloudy →									Pt. Cloudy →		

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	84	81	86	80	77	76	74	72	72	72	71	71
State of weather: Nature of precipitation and time of beginning and ending							RB 6:38 RE 6:50					RB
												IN
Amounts of precipitation							T					T
Cloudiness and other conditions	→ Cloudy →											

Sunrise: Time, 4:09; Character, Cloudy
Moonrise: 11:23 pm.
Sunset: Time, 7:16; Character, Cloudy
Moonset: — —

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0	0	0	0	0.6	0.8	1.0	1.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	0 1.0	0 0.1	0	0	0				
Wind direction	SW	W	SW	W	W	W	SW	SW	SW	SW	SW	SW
	W	SW	SW	SW	SW	SW	NE	NE	E	E	SE	NE
Wind movement	7	4	6	5	4	4	6	6	6	6	7	6
	6	9	11	15	13	6	6	5	2	3	3	3
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

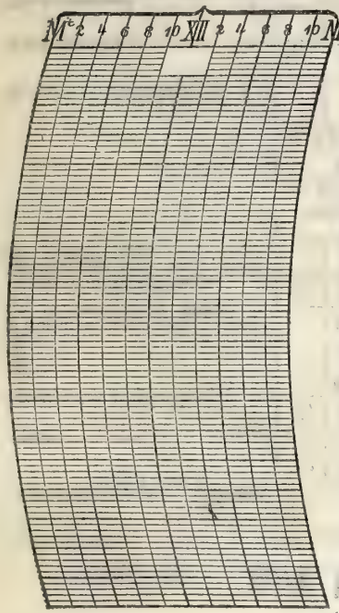
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	70	78	

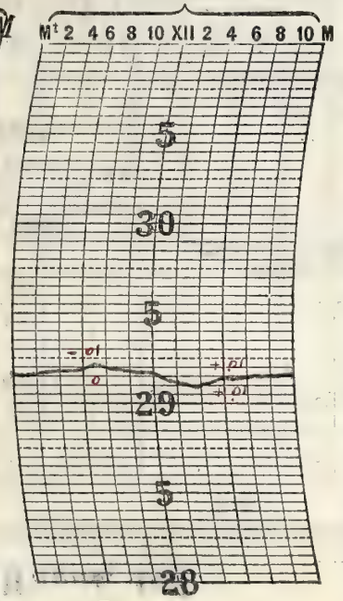
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 01 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase, Last Quarter 11:33 pm.
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 7.5 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 50
Prevailing wind direction, SW Total wind 149
Average hourly velocity, 6.2 Extreme velocity, 22
Maximum velocity, 19 Direction, SW.
Time began, 3:14 pm
Reduced barometer, 30.09 7 a. m. 30.05 7 p. m.
River gage, 2.7
Relative humidity, 84 7 a. m. 78 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 pm
(Local Mean Time.)
Dry temperature, 81.0 Wet temperature, 73.0
Dew-point, 70 R. humidity, 68 V. pressure, 732
Clouds: Amount, 2/4; Kind, Cu & ST; Direction, SW
Velocity of clouds (miles per hour)

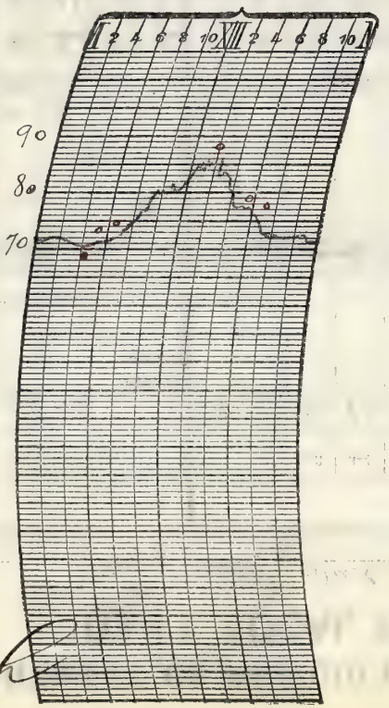
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by H. S. Baker.
Verified by P. M. Donough

8—486

⊙ Sun shining through detached clouds.

NOTES.

Generally Cloudy weather with some light showers. Moderate temperatures but muggy during the Midday hours. A moderate thunderstorm occurred in the northeast between 5:33 pm and and 6:50 p.m. The air cooled off materially during the occurrence of the storm.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 21 1919, 191

Time (local standard), 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	71	71	70	70	71	71	73	74	76	75	78
		RE									R B1142 R E1155	
State of weather: Nature of precipitation and time of beginning and ending	—	L.N.										
Amounts of precipitation	.01	T										T
Cloudiness and other conditions								Cloudy				
Sunrise: Time, Character,	4:09 Cloudy											
Moonrise:	11:55 pm											
Sunshine (in tenths of hours)					0	0	0	ø 0.7	ø 0.7	ø 1.0	ø 1.0	ø 0.5
Wind direction	NE	E	NE	NE	E	E	E	E	E	E	E	E
Wind movement	4	5	4	6	6	7	7	6	9	11	10	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	80	82	83	80	80	77	74	73	71	70	67
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					PtCloudy			Clear				
Sunset: Time, Character,									7:16 Clear			
Moonset:									12:24 pm			
Sunshine (in tenths of hours)	ø 0.7	1.0	1.0	1.0	1.0	1.0	0.4 0.6	0.27 0				
Wind direction	E	E	NE	E	NE	NE	NE	NE	E	NE	NE	NE
Wind movement	7	11	12	13	13	11	8	6	6	11	10	10

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

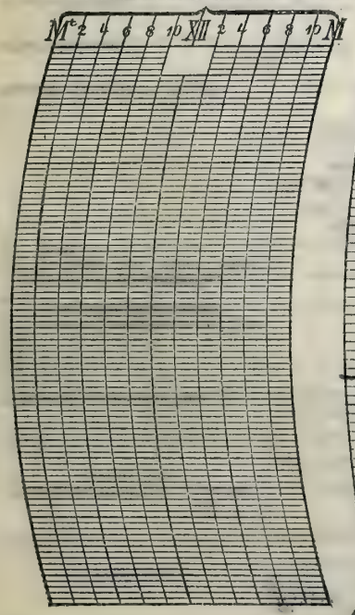
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	67	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, PtCloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 10.9 Possible sunshine, hours, 15.4
Per cent of possible sunshine, 72
Prevailing wind direction, E Total wind 2100
Average hourly velocity, 8.3 Extreme velocity, 18
Maximum velocity, 16 Direction, E
Time began, 9:43 am.
Reduced barometer, 30.11, 7 a. m. 30.12 7 p. m.
River gage, 3.3 ft.
Relative humidity, 93 7 a. m. 46 7 p. m.

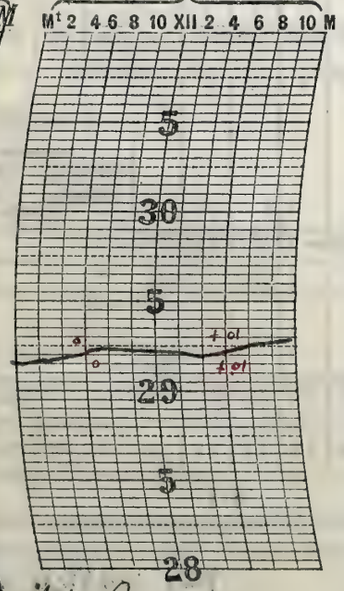
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 77.0 Wet temperature, 70.6
Dew-point, 68 R. humidity, 73 V. pressure, .684
Clouds: Amount, 9 Kind, St Direction, E
Velocity of clouds (miles per hour)

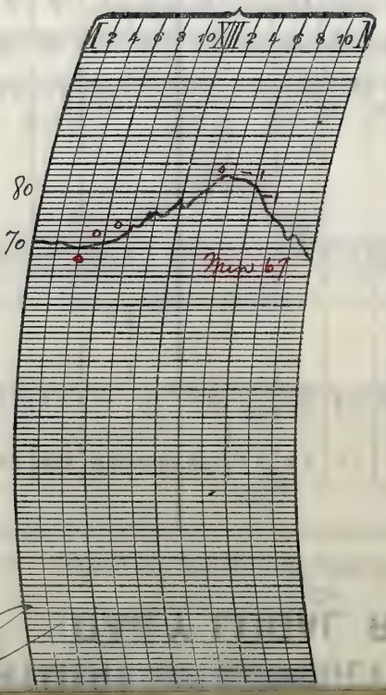
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by H. S. Baker.
Verified by P. J. McDonough

NOTES.

ø Sun shining through detached clouds.

Light fog from 6:35 am to 7:30 am
Decreasing cloudiness from the am. Observation work night clear, pleasant temperature.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 22 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	63	62	61	62	63	66	71	72	74	75	77	78	79	80	79	78	76	73	68	66	64	63	62
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Pt. Cloudy						Clear				Pt. Cloudy				Clear					
Sunshine (in tenths of hours)					0	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3 0.7	0.27 0				
Wind direction	NE	NE	NE	NE	E	E	E	E	E	E	E	E	E	E	E	NE	NE	NE	E	E	NE	E	E	E
Wind movement	10	10	9	10	7	9	11	12	11	14	11	12	12	12	11	11	12	12	8	7	6	8	7	7
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:09 Character, Cloudy
Moonrise: ---

Sunset: Time, 7:16 Character, Clear
Moonset: 1:34 pm

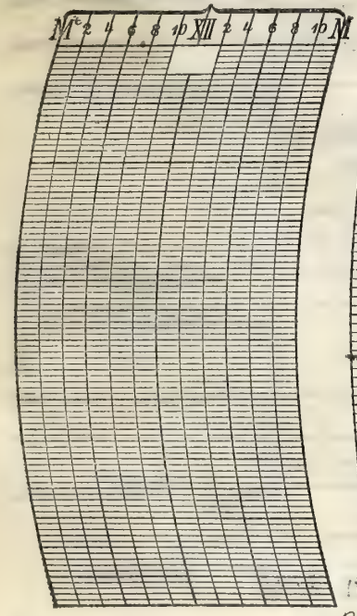
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	61	70	✓

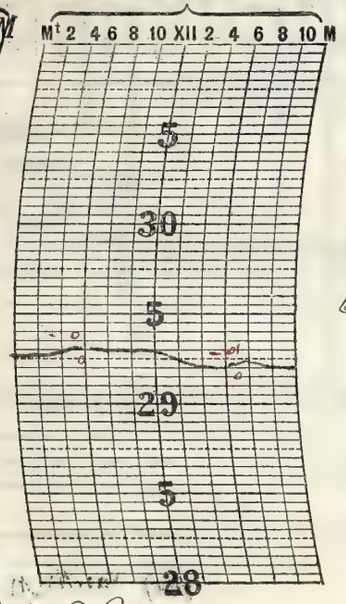
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 13.3 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 88
Prevailing wind direction, E Total wind 239
Average hourly velocity, 10.0 Extreme velocity, 21
Maximum velocity, 18 Direction, N.E.
Time began, 9:28 a.m.
Reduced barometer, 30.21. 7 a. m. 30.12. 7 p. m.
River gage, 3.8 ft.
Relative humidity, 66. 7 a. m. 40. 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 pm
(Local Mean Time.)
Dry temperature, 77.5 Wet temperature, 57.5
Dew-point, 41 R. humidity, 28 V. pressure, 2.56
Clouds: Amount, 4; Kind, Ast.; Direction, W
Velocity of clouds (miles per hour)

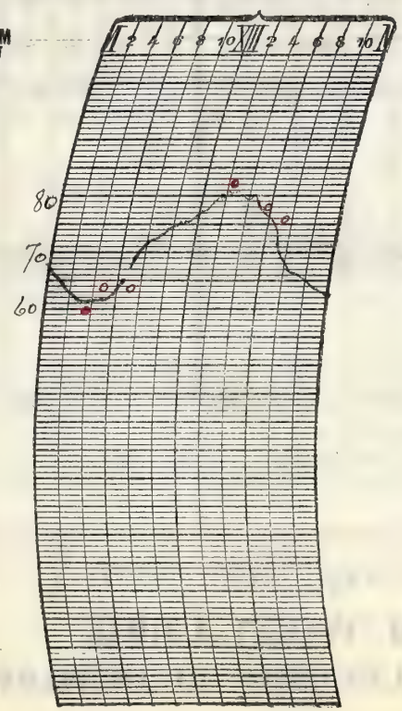
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather during the day was partly cloudy and fine; night clear.

Prepared by H. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 23 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	60	60	60	60	60	63	70	70	70	70	71
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt. Cloudy			Cloudy				
Sunshine (in tenths of hours)					0	0	0.4	* 1.0	* 1.0	* 1.0	* 1.0	* 1.0
Wind direction	E	E	E	E	E	E	E	SE	SE	SE	S	S
Wind movement	5	4	4	4	4	3	4	4	6	4	5	3

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	75	75	77	76	75	72	70	69	67	66	67
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Pt. Cloudy		Clear				
Sunshine (in tenths of hours)	* 1.0	* 1.0	1.0	1.0	1.0	1.0	0.1	0				
Wind direction	S	SE	SE	S	S	S	S	S	S	SE	SE	SE
Wind movement	4	5	5	6	8	9	6	3	2	5	3	4

Sunrise: Time, 4:09 Character, Cloudy
Moonrise: 12:30am

Sunset: Time, 7:17 Character, Cloudy
Moonset: 2:46pm

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

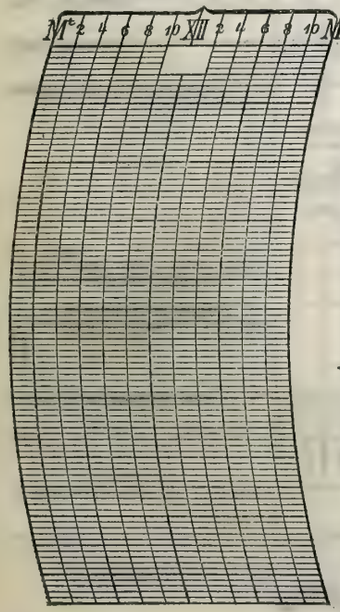
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
77	60	68	

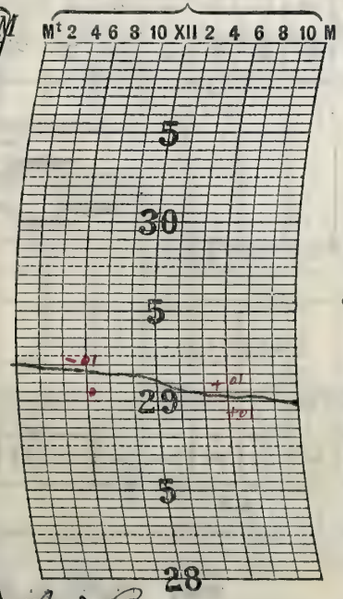
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 11.5 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 76
Prevailing wind direction, S Total wind 110
Average hourly velocity, 4.6 Extreme velocity, 12
Maximum velocity, 12 Direction, S
Time began, 5:22 pm.
Reduced barometer, 30.08 7 a. m. 29.93 7 p. m.
River gage, 3.4 ft.
Relative humidity, 62 7 a. m. 69 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 73.0 Wet temperature, 60.8
Dew-point, 53 R. humidity, 49 V. pressure, .402
Clouds: Amount, 7; Kind, St.; Direction, SE
Velocity of clouds (miles per hour)

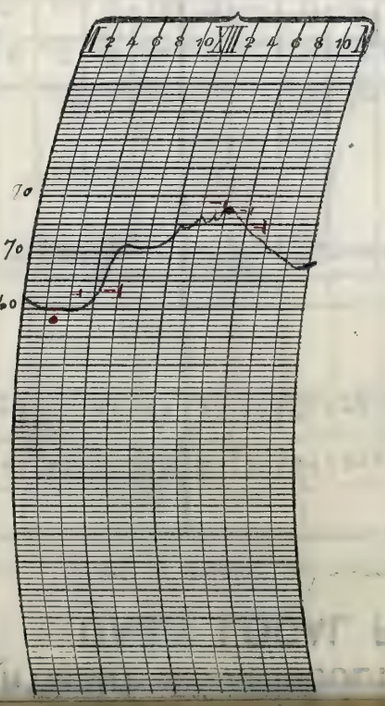
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



x Sun shining through a St. cloud.

NOTES.

Partly Cloudy and pleasant weather, Clear at night.

Prepared by A. S. Baker

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 24 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	68	67	67	67	67	68	70	72	76	77	79	81	83	82	76	74	74	74	73	72	72	71	71
State of weather: Nature of precipitation and time of beginning and ending																RB 3:40	—	—	RE 6:03					
Amounts of precipitation																T	.01	T	T					
Cloudiness and other conditions				?		2: Fog																		
Sunrise: Time, 4:10; Character, Cloudy																					Sunset: Time, 7:17; Character, Cloudy			
Moonrise: 1:11 am																					Moonset: 3:13 pm			
Sunshine (in tenths of hours)					0	0	0	0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0	0	0	0				
Wind direction	S	SE	S	SE	SE	E	E	E	E	SE	S	SW	S	S	SW	SW	W	SW	S	SE	SE	SE	S	S
Wind movement	5	3	3	2	1	1	1	4	4	6	10	10	8	11	10	14	7	2	2	2	5	3	6	8
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

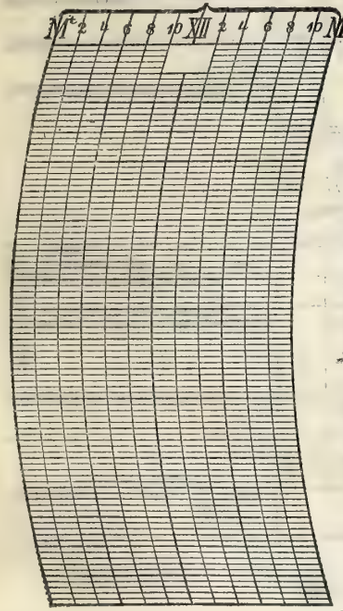
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	67	76	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 6.6 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 44
Prevailing wind direction, S Total wind 128
Average hourly velocity, 5.3 Extreme velocity, 18
Maximum velocity, 16 Direction, S.W.
Time began, 3:16 pm.
Reduced barometer, 29.86, 7 a. m. 29.76, 7 p. m.
River gage, 3.0 ft.
Relative humidity, 95, 7 a. m. 80, 7 p. m.

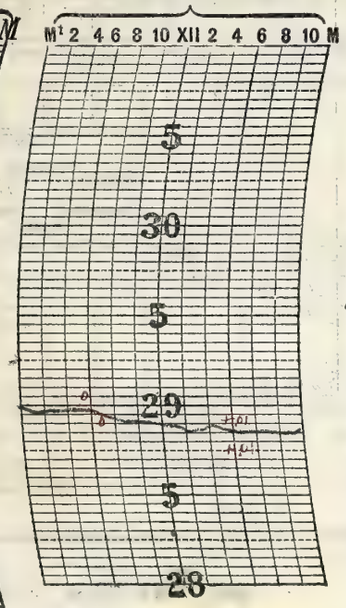
OBSERVATIONS AT ~~12 NOON.~~ 12:35 PM
(Local Mean Time.)

Dry temperature, 79.5 Wet temperature, 70.5
Dew-point, 66 R. humidity, 64 (a 87) V. pressure, .638
Clouds: Amount, 4; Kind, St; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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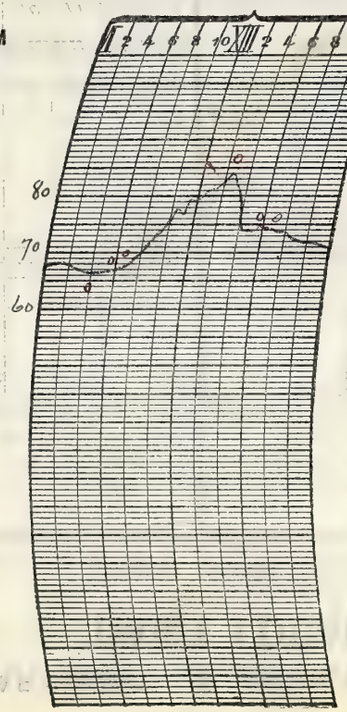


NOTES.

o Sun shining through detached clouds.

Light fog in the a. m. Day generally cloudy with light rain in the afternoon. Moderate temperatures obtained.

Prepared by W S Baker
Verified by F. McGonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 25 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	70	70	68	68	67	68	69	70	73	76	78
State of weather: Nature of precipitation and time of beginning and ending		RB D.N.					RE 6:30	RB 7:25 RE 7:45				
Amounts of precipitation		T	.01	.03	.15	.35	.02	T				
Cloudiness and other conditions	Cloudy											
Sunrise: Time, 4:10; Character, Cloudy												
Moonrise: 2:00am												
Sunshine (in tenths of hours)					0	0	0	0	0	0 0.6	0 1.0	0 1.0
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	6	7	8	8	9	7	9	10	11	10	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	81	82	80	78	79	78	74	73	71	71	71
State of weather: Nature of precipitation and time of beginning and ending				RB 3:24 RE								
Amounts of precipitation												
Cloudiness and other conditions	Partly Clear											
Sunset: Time, 7:17; Character, Cloudy												
Moonset: 5:08pm												
Sunshine (in tenths of hours)	0 1.0	0 1.0	0 1.0	0 0.7	0 0.6	0 0.5	0	0				
Wind direction	SW	W	W	W	W	W	W	NW	NW	W	W	W
Wind movement	11	12	13	12	13	11	7	7	5	5	6	7

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

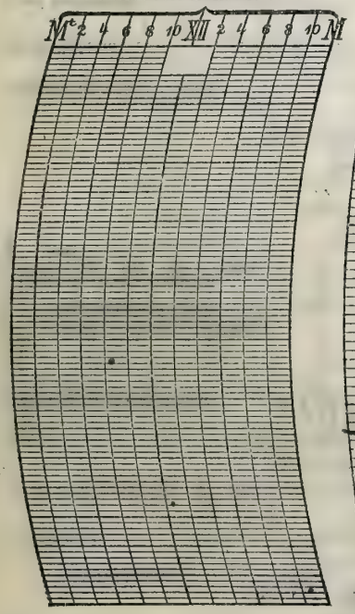
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	67	74	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .56 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .56 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 7.4 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 49
Prevailing wind direction, SW Total wind 210
Average hourly velocity, 8.8 Extreme velocity, 19
Maximum velocity, 18 Direction, W
Time began, 4:07pm.
Reduced barometer, 29.80, 7 a. m. 29.83, 7 p. m.
River gage, 3.0 ft.
Relative humidity, 95, 7 a. m. 72 7 p. m.

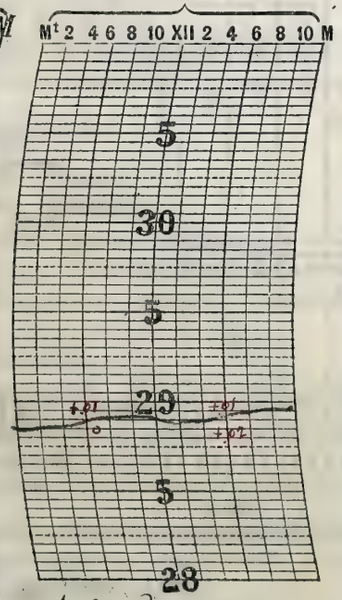
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 80.0 Wet temperature, 71.8
Dew-point, 69 R. humidity, 67 V. pressure, .707
Clouds: Amount, 8; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

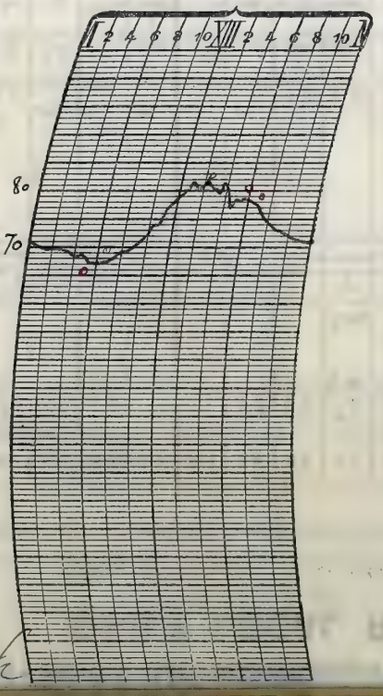
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by M. S. Baker.
Verified by P. McDonough

o Sunshining through detached cumulus.

NOTES.

Thunder, attended by rain, began during the night, the thunder ending at 6 a.m., and the rain ceased at 6:30 a.m., but several intermittent showers occurred during the remainder of the day. The day was generally cloudy, but clear skies prevailed at night. Moderate temperatures obtained.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 26 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	70	70	69	69	70	70	70	71	73	74	77	80
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				?	Pt. Cloudy							
Sunshine (in tenths of hours)					0	0	0	0.2	0.4	1.0	1.0	1.0
Wind direction	W	W	W	W	W	NW	NW	NW	NW	NW	N	NW
Wind movement	8	8	9	8	6	5	9	5	7	9	6	9

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	80	82	83	82	81	81	79	76	75	75	73	71
Nature of precipitation and time of beginning and ending	RB 12:45 RE 12:48											
Amounts of precipitation	T											
Cloudiness and other conditions	Cloudy				Pt. Cloudy			Clear				
Sunshine (in tenths of hours)	0.9	1.0	1.0	1.0	0.9	0.6	0	0				
Wind direction	N	N	N	N	N	N	NE	N	N	N	N	N
Wind movement	7	9	10	9	8	7	6	4	3	3	3	4

Sunrise: Time, 4:10 Character, Cloudy
Moonrise: 2:55 am.
Sunset: Time, 7:17 Character, Cloudy
Moonset: 6:12 pm.

State of weather.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

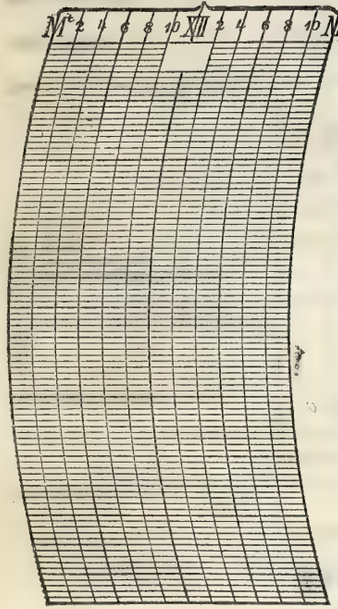
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	69	76	

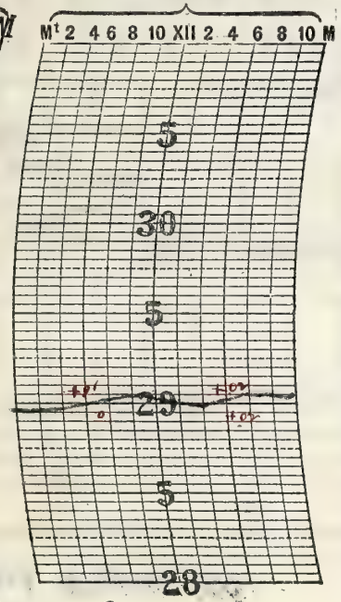
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 9.0 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 60
Prevailing wind direction, N Total wind 162
Average hourly velocity, 6.8 Extreme velocity, 12
Maximum velocity, 12 Direction, N
Time began, 2:23 pm.
Reduced barometer, 29.90, 7 a. m. 29.92, 7 p. m.
River gage, 2.9 ft.
Relative humidity, 91, 7 a. m. 66, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 78.8 Wet temperature, 70.5
Dew-point, 67 R. humidity, 67 V. pressure, .661
Clouds: Amount, 7; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

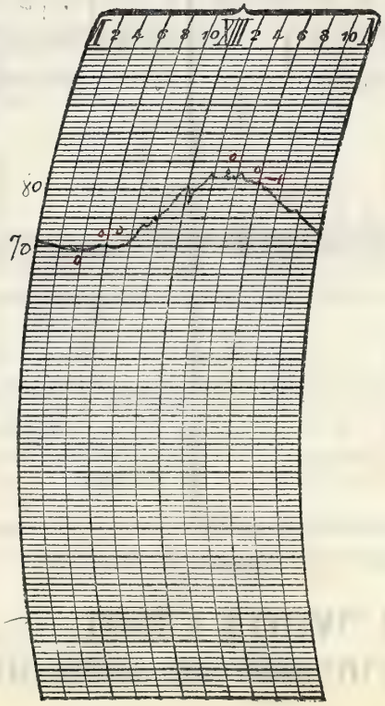
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Partly Cloudy with moderate temperatures, but weather quite muggy.
Light fog observed in the early forenoon.

Prepared by H. S. Baker.
Verified by J. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 27 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	69	68	67	66	66	67	70	72	73	70	69
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear		Cloudy		Pt. Cloudy			
Sunshine (in tenths of hours)					0	0	0	0 0.9	0 1.0	1.0	1.0	0.4
Wind direction	N	N	N	N	N	N	N	NE	N	NE	NE	NE
Wind movement	3	4	5	4	5	6	8	10	9	10	13	10

Sunrise: Time, 4:11; Character, Cloudy. Moonrise: 3:58am.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	68	67	67	67	64	65	63	62	60	58	56
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Cloudy			Pt. Cloudy				
Sunshine (in tenths of hours)	0	0	0	0	0	0	0.3 0	0.28 0				
Wind direction	NE	N	N	NE	NE	N	NE	NE	NE	NE	NE	NE
Wind movement	10	10	13	10	10	9	8	5	8	10	9	12

Sunset: Time, 7:17; Character, Clear. Moonset: 7:08pm

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

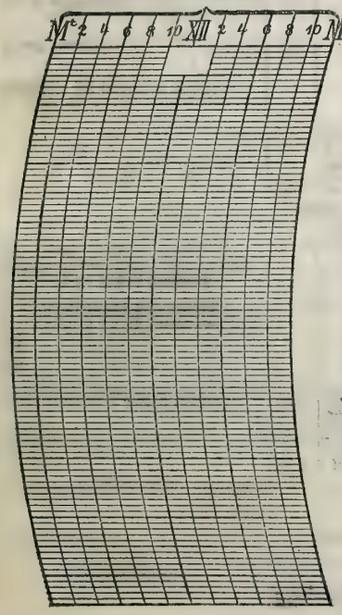
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	56	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy. Moon phase, New Moon 2:53pm
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 4.9. Possible sunshine, hours, 15.1
Per cent of possible sunshine, 32
Prevailing wind direction, NE. Total wind 201
Average hourly velocity, 8.4. Extreme velocity, 16
Maximum velocity, 15. Direction, N
Time began, 2:26 pm
Reduced barometer, 30.01, 7 a. m. 30.06, 7 p. m.
River gage, 2.7 ft.
Relative humidity, 54, 7 a. m. 70, 7 p. m.

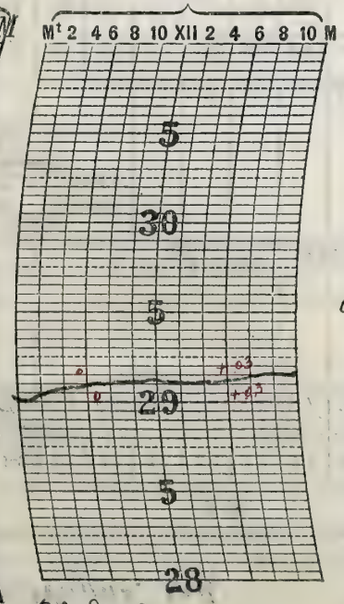
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 69.0. Wet temperature, 64.2
Dew-point, 61. R. humidity, 78. V. pressure, .536
Clouds: Amount, 10; Kind, St Cu; Direction, N
Velocity of clouds (miles per hour)

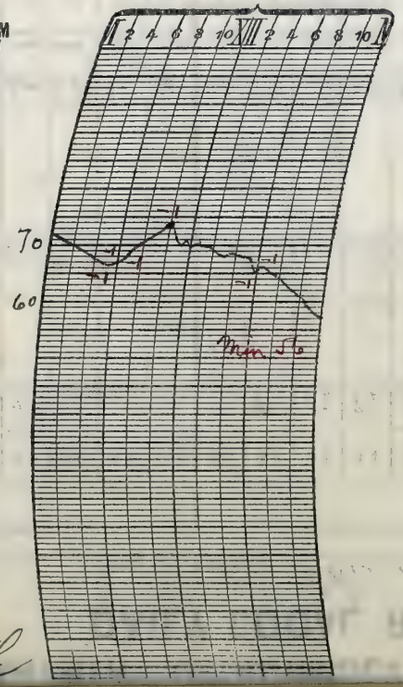
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cool and Cloudy, but with decreasing cloudiness in the late afternoon. Weather quite pleasant

Prepared by W. S. Baker.

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 28 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	54	54	52	51	52	57	61	64	66	70	71	72	73	72	71	70	69	66	62	60	59	57	56
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				Cloudy								Clear												

Sunrise: Time, 4:11; Character, Cloudy. Moonrise: 5:07 am.

Sunset: Time, 7:17; Character, Clear. Moonset: 7:57 pm.

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0				
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	NE	E	E	E
Wind movement	11	11	9	8	11	9	10	12	13	15	16	16	13	15	15	16	15	15	12	8	7	11	11	10
Maximum velocities (exceeding 29 miles) direction and time																								

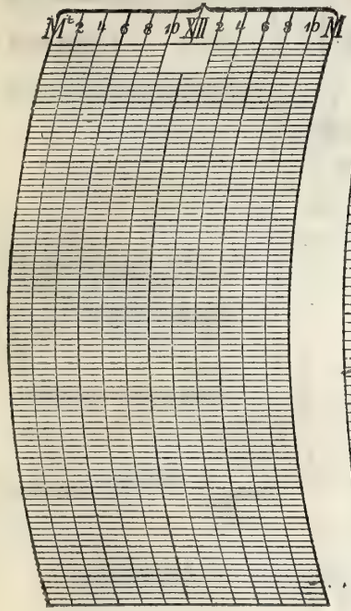
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	51	62	

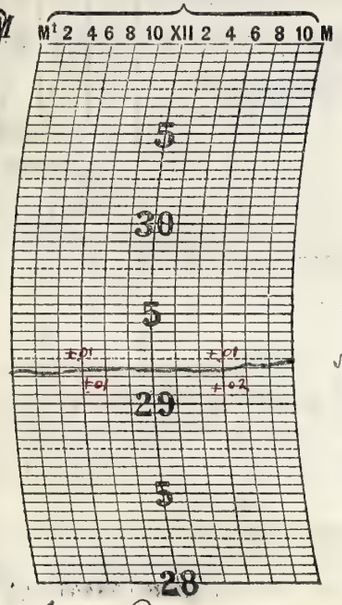
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.0 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 86
Prevailing wind direction, NE Total wind 289
Average hourly velocity, 12.0 Extreme velocity, 23
Maximum velocity, 20 Direction, NE
Time began, 1:13 p. m.
Reduced barometer, 30.10, 7 a. m. 30.11 7 p. m.
River gage, 2.6 ft.
Relative humidity, 71, 7 a. m. 38 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 PM
(Local Mean Time.)
Dry temperature, 71.0 Wet temperature, 59.0
Dew-point, 51 R. humidity, 49 V. pressure, .373
Clouds: Amount, 3; Kind, Cu; Direction, E
Velocity of clouds (miles per hour)

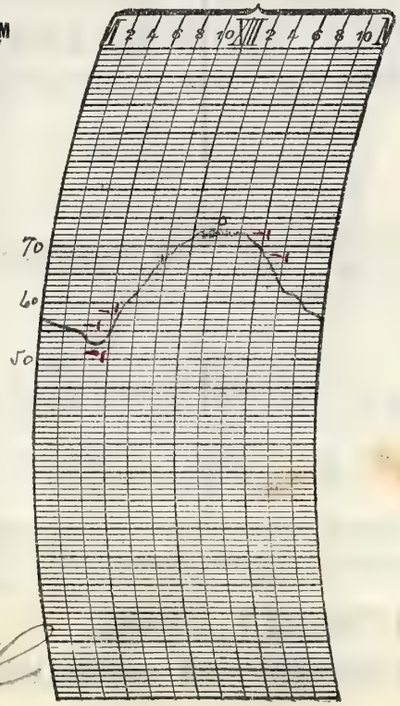
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cool and Clear except Cloudy in the early morning.

Prepared by A. S. Baker

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 29 1919, 191

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	54	54	53	52	52	54	59	62	67	71	73	75	76	78	79	79	78	77	73	67	65	62	61	59
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, 4:11; Character, Clear; Moonrise: 6:17am																				Sunset: Time, 7:17; Character, Clear; Moonset: 8:34pm			
Sunshine (in tenths of hours)					0.82 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	0.28 0				
Wind direction	NE	E	NE	NE	NE	NE	NE	E	NE	E	E	E	E	E	E	E	E	E	NE	NE	NE	E	E	NE
Wind movement	8	6	5	5	5	5	6	5	7	7	10	9	9	11	10	11	10	8	7	5	7	6	6	5
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

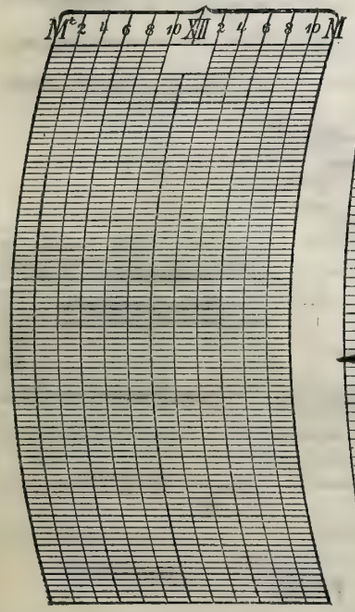
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	52	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), Few
Actual sunshine, hours, 15.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind 173
Average hourly velocity, 7.2 Extreme velocity, 16
Maximum velocity, 14 Direction, NE
Time began, 3:53 pm
Reduced barometer, 30.19 7 a. m. 30.17 7 p. m.
River gage, 2.5 ft.
Relative humidity, 67 7 a. m. 45 7 p. m.

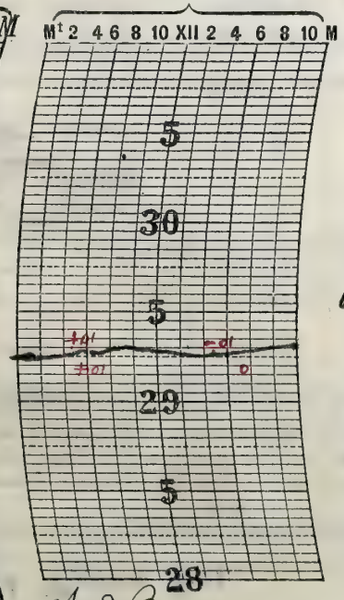
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 74.8 Wet temperature, 59.3
Dew-point, 48 R. humidity, 39 V. pressure, .334
Clouds: Amount, 1; Kind, a St.; Direction, NW
Velocity of clouds (miles per hour)

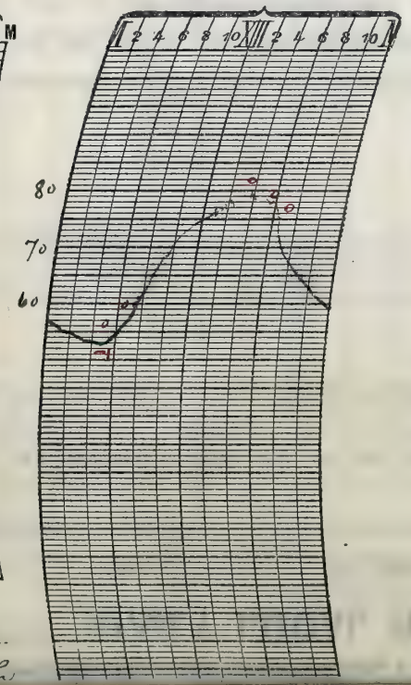
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light dew in the early morning – Clear and very fine weather.
Fair moonlight at night.

Prepared by H. S. Baker

Verified by P. McDonough.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) June 30, 1919

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	57	56	55	57	59	64	73	76	78	80	81
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					← Clear							
Sunshine (in tenths of hours)					0.8 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	E	E	E	E	E	E	E
Wind movement	4	4	5	4	4	2	1	1	4	5	7	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	83	84	85	85	85	85	81	76	74	70	69	67
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions									→ Clear			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.8 0.2	0.8 0				
Wind direction	E	E	E	E	E	NE	E	E	E	E	E	E
Wind movement	7	5	5	5	6	7	6	5	6	7	5	5

Sunrise: Time, 4:12 Character, Clear

Moonrise: 7:26am

Sunset: Time, 7:17 Character, Clear

Moonset: 9:06pm

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	55	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 0

Actual sunshine, hours, 15.1 Possible sunshine, hours, 15.1

Per cent of possible sunshine, 100

Prevailing wind direction, E Total wind 116

Average hourly velocity, 4.8 Extreme velocity, 11

Maximum velocity, 11 Direction, NE

Time began, 12:08pm.

Reduced barometer, 30.27, 7 a. m., 30.22, 7 p. m.

River gage, 2.4 ft.

Relative humidity, 72, 7 a. m. 45 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38pm

(Local Mean Time.)

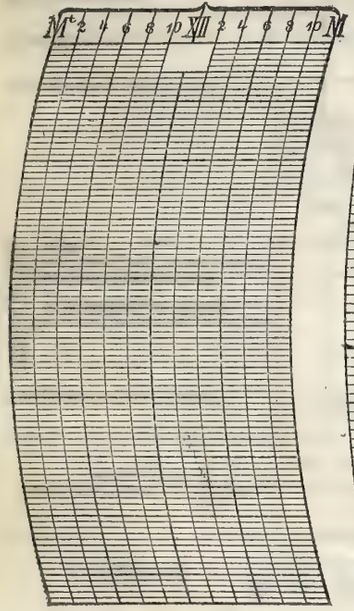
Dry temperature, 81.4 Wet temperature, 62.4

Dew-point, 50 R. humidity, 33 V. pressure, .360

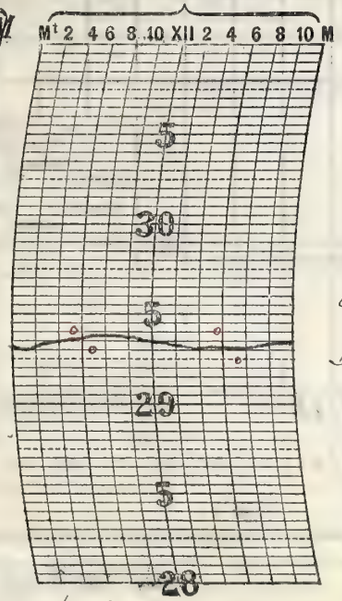
Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

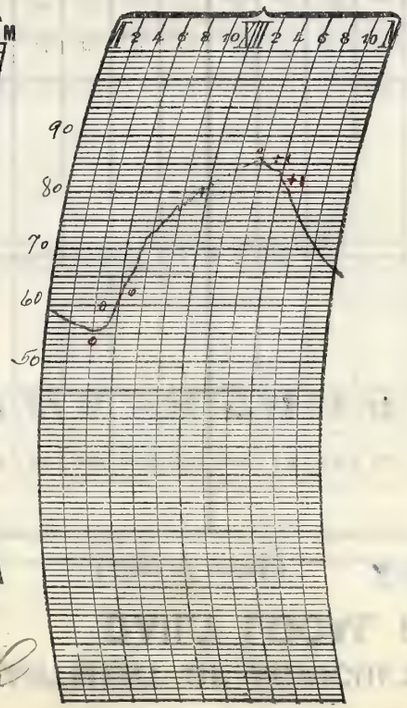
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light dew in the a.m.
Clear and pleasant weather.
Moonlight at night.

Prepared by N. S. Baker

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 1 1919, 191

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	63	62	61	61	63	71	81	83	84	85	86	87	88	89	89	89	88	85	82	79	78	75	74
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions											Clear													
Sunshine (in tenths of hours)					0.80 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8 0.2	0.28 0				
Wind direction	E	E	E	E	E	E	NE	S	S	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	3	3	3	3	1	2	1	2	3	3	4	5	4	5	5	4	5	4	4	4	4	4	1	2
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:12 Character, Clear
Moonrise: 8.32 am

Sunset: Time, 7:17 Character, Clear
Moonset: 9:40 P.M.

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

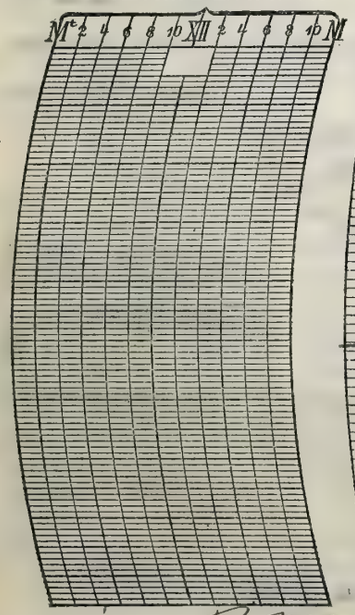
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	61	76	

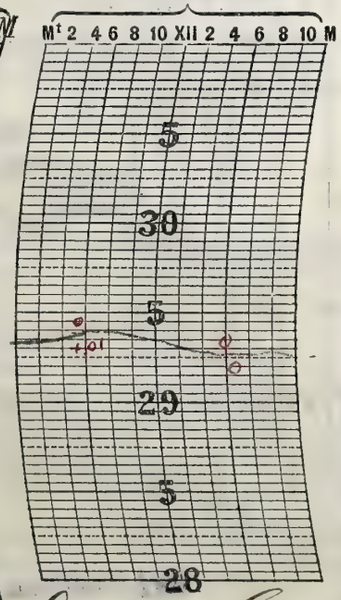
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 15.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind 79
Average hourly velocity, 3.3 Extreme velocity, 7
Maximum velocity, 7 Direction, NE
Time began, 11:24 am.
Reduced barometer, 30.30, 7 a. m. 30.16, 7 p. m.
River gage, 2.4
Relative humidity, 60, 7 a. m. 41, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 86.0 Wet temperature, 65.0
Dew-point, 52 R. humidity, 31 V. pressure, .387
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

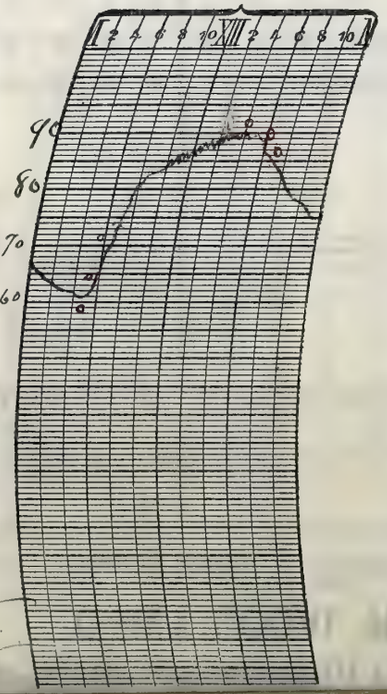
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and warm weather with slight moonlight at night.

Prepared by T. McDonough
Verified by J. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 2 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	70	69	65	65	68	72	79	84	87	88	91	92	92	92	93	92	91	88	83	82	79	77	74
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
Sunshine (in tenths of hours)					0.78 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	0.28 0				
Wind direction	E	SE	SE	SE	0	SE	SE	E	S	SW	SE	SE	S	SE	S	S	SW	W	SW	SW	SW	SW	SW	SW
Wind movement	3	2	2	1	0	1	1	2	4	5	4	5	4	6	5	7	7	6	6	4	4	1	1	3
Maximum velocities (exceeding 29 miles) direction and time																								

Clear

Sunrise: Time, 4:13 Character, Clear

Moonrise: 9:36 am

Sunset: Time, 7:17 Character, Clear

Moonset: 10:08 PM

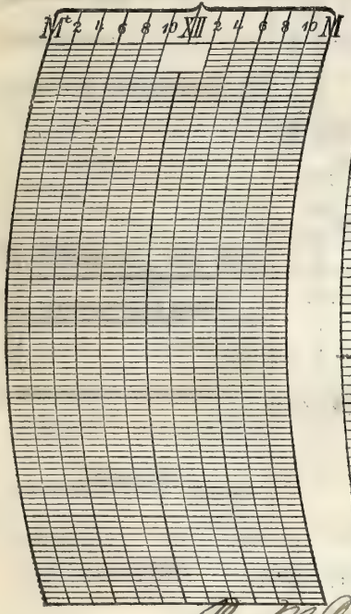
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
94	65	80	

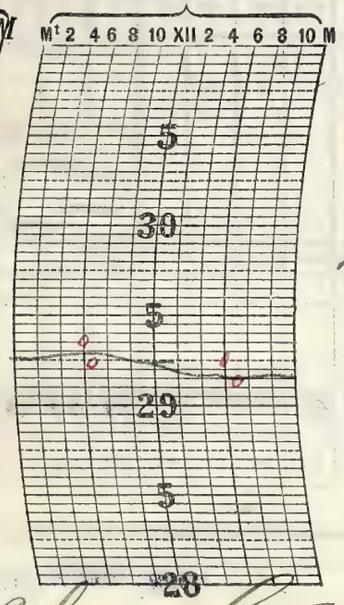
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 15.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 100
Prevailing wind direction, SE-SW Total wind 84
Average hourly velocity, 3.5 Extreme velocity, 11
Maximum velocity, 11 Direction, S
Time began, 3:14 p.m.
Reduced barometer, 30.19, 7 a. m. 30.05 7 p. m.
River gage, 2.3 ft.
Relative humidity, 64 7 a. m. 33 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 PM
(Local Mean Time.)
Dry temperature, 90.8 Wet temperature, 67.5
Dew-point, 54 R. humidity, 29 V. pressure, .417
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

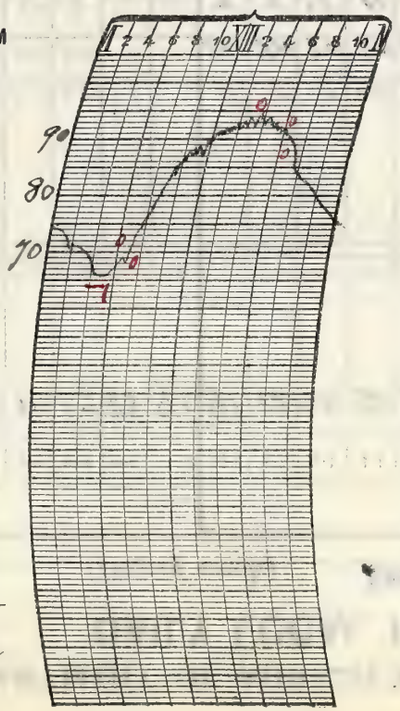
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and intensely warm weather, with slight moonlight at night.

Prepared by P. McDonough

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 3 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	70	69	68	68	70	74	80	84	87	88	91	91	92	92	92	92	90	88	85	83	81	79	77
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions													Clear											
Sunshine (in tenths of hours)					0.78 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0 0	.28 0				
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	W	NW	W	SW	SW	SW	SW	SW	SW	W	W	W	W	SW	SW	SW
Wind movement	3	4	5	4	4	5	4	3	4	6	6	8	9	9	11	11	9	8	5	4	4	3	2	4

Sunrise: Time, 4:13 Character, Clear
Moonrise: 10:37 am

Sunset: Time, 7:17 Character, Clear
Moonset: 10:35 P.M

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

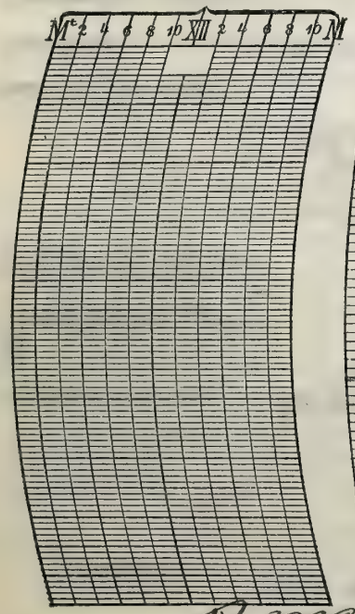
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	68	80	

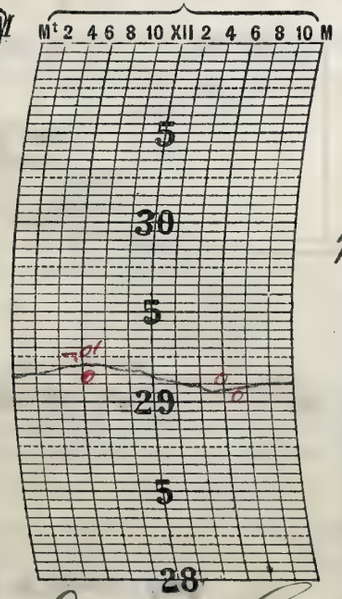
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 15.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 135
Average hourly velocity, 5.6 Extreme velocity, 15
Maximum velocity, 14 Direction, SW
Time began, 9:12 P.M
Reduced barometer, 30.10 7 a. m. 29.95 7 p. m.
River gage, 2.2 ft.
Relative humidity, 64 7 a. m. 45 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 89.5 Wet temperature, 70.5
Dew-point, 61 R. humidity, 39 V. pressure, .536
Clouds: Amount, 2; Kind, Cu.; Direction, SW
Velocity of clouds (miles per hour)

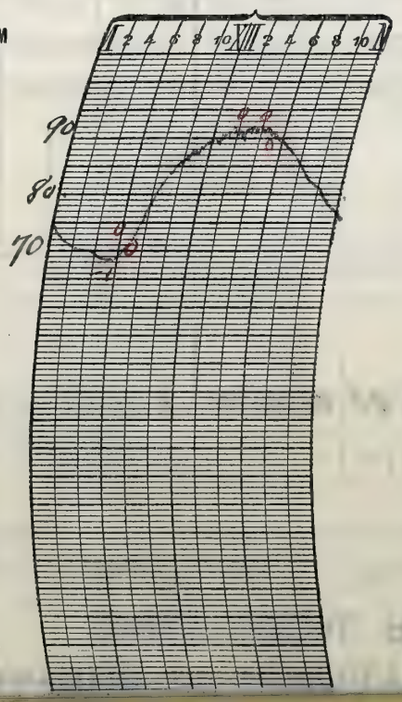
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Intensely warm and clear weather, but with some cumulus clouds in the afternoon. Slight moonlight at night.

Prepared by P. McDonough
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 4 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	73	72	71	70	72	76	82	85	88	90	91	92	93	93	93	93	92	89	86	83	81	80	79
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
Sunshine (in tenths of hours)					0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	4	4	4	4	5	4	5	5	11	10	13	13	13	14	15	14	13	9	7	5	5	5	6	5
Maximum velocities (exceeding 29 miles) direction and time																								

Clear

Sunrise: Time, 4:14 Character, Clear

Moonrise: — —

Sunset: Time, 7:16 Character, Clear

Moonset: 11:03 pm

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
94	70	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, first quarter 9:17 pm

Average daily cloudiness (0-10),

Actual sunshine, hours, 15.0 Possible sunshine hours, 15.0

Per cent of possible sunshine, 100

Prevailing wind direction, SW Total wind 193

Average hourly velocity, 8.0 Extreme velocity, 20

Maximum velocity, 19 Direction, SW

Time began, 11:22 am

Reduced barometer, 30.03 7 a. m. 29.92 7 p. m.

River gage, 2.2 ft.

Relative humidity, 69 7 a. m. 39 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 pm (Local Mean Time.)

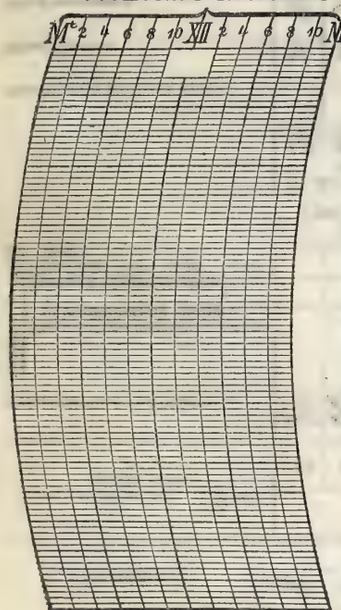
Dry temperature, 92.0 Wet temperature, 70.4

Dew-point, 60 R. humidity, 34 V. pressure, .517

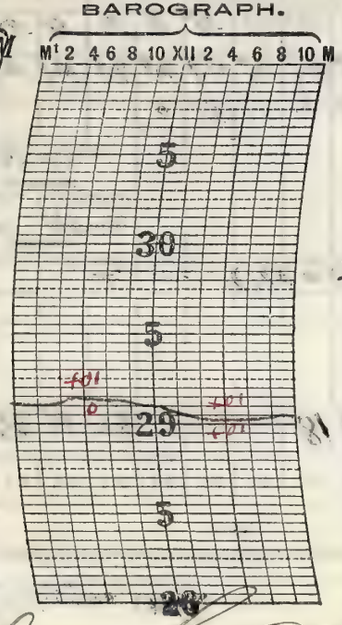
Clouds: Amount, 2; Kind, Cu.; Direction, SW

Velocity of clouds (miles per hour)

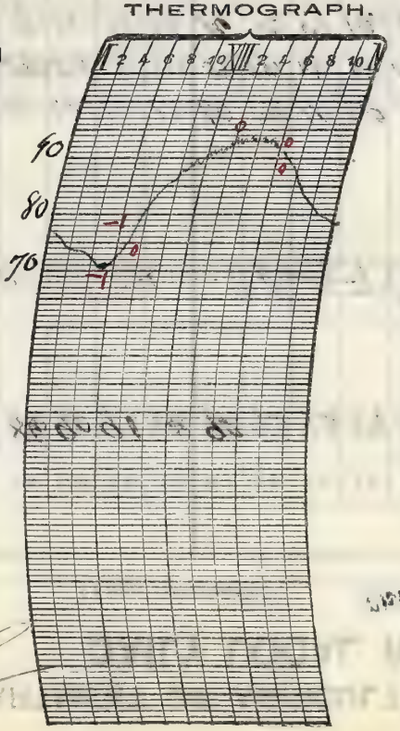
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and intensely warm weather. Bright moonlight at night.

Prepared by C. McDonough

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 5 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	76	75	73	72	73	76	81	86	90	91	92	92	93	93	89	88	83	82	81	80	78	77	75
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				2	Clear						2		Pt Cloudy			7	Cloudy					7		
Sunrise: Time, Character,	4:45 Clear																				Sunset: Time, Character,	7:16 Cloudy		
Moonrise:	12:38 P.M.																				Moonset:	11:31 P.M.		
Sunshine (in tenths of hours)					0.75 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.3	0	0	0	0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	NW	NW	N	NE	NE	NE	NW	NW
Wind movement	6	5	5	6	3	5	4	5	7	11	16	13	16	15	17	12	11	8	4	3	4	3	5	4
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	72	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches

Snow, sleet, and hail on ground 0 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 11.0 Possible sunshine, hours, 15.0

Per cent of possible sunshine, 73

Prevailing wind direction, SW Total wind 188

Average hourly velocity, 7.8 Extreme velocity, 23

Maximum velocity, 22 Direction, W

Time began, 2:47 P.M.

Reduced barometer, 29.94 7 a. m. 29.87 7 p. m.

River gage, 2.2 feet

Relative humidity, 74 7 a. m. 65 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

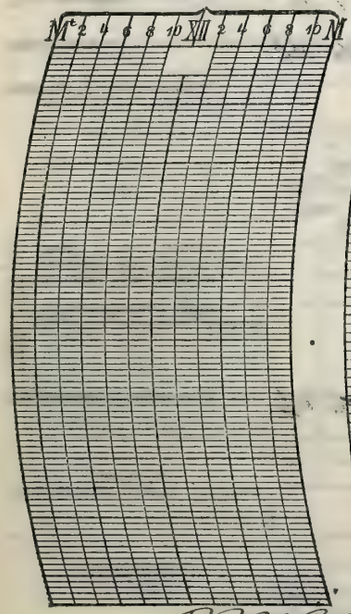
Dry temperature, 92.0 Wet temperature, 70.0

Dew-point, 54 R. humidity, 33 V. pressure, .499

Clouds: Amount, 3; Kind, Ci Cu; Direction, SW

Velocity of clouds (miles per hour)

THERMOGRAPH.



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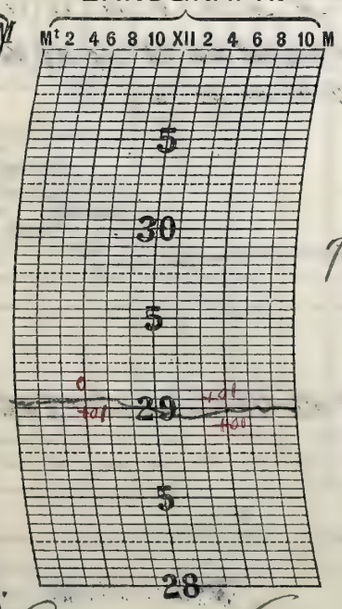

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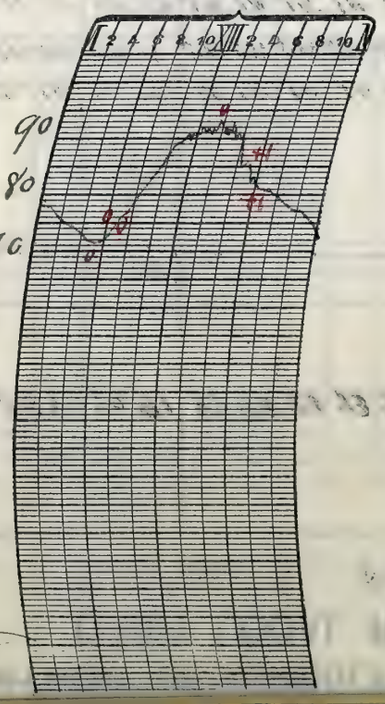


NOTES.

Increasing Cloudiness during the day, the nights being cloudy. Dull moonlight through the rifts in the clouds.

Light haze in the forenoon.

Intensely warm during the midday hours, but with a change of wind to northward in the evening the temperature fell moderately, but the weather remained sultry.

Prepared by P. McDonough

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 6 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	69	69	67	66	67	67	67	69	72	74	76
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			L	Cloudy						L	Pt Cloudy	
Sunrise: Time, Character, 4:15 Cloudy												
Moonrise: 1:36 P.m.												
Sunshine (in tenths of hours)					0	0	0	0	0.6	1.0	1.0	0.8
Wind direction	NW	W	NW	N	N	N	N	N	N	N	N	N
Wind movement	7	6	4	8	8	7	6	6	7	9	9	8
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	79	80	80	80	79	78	76	73	71	69	67	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Clear				
Sunset: Time, Character, 7:16 Clear												
Moonset: —												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	0.27 0				
Wind direction	NE	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	7	10	11	11	14	12	9	6	7	10	7	10

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	66	74	

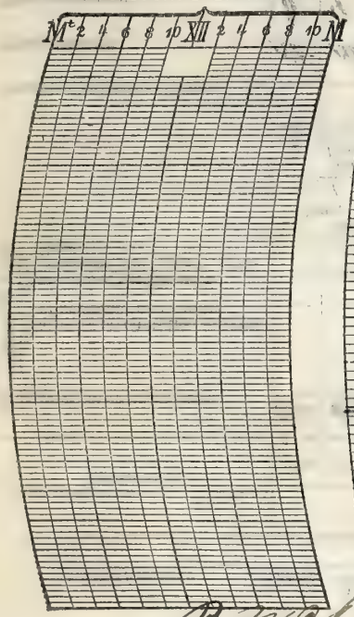
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 10.7 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 71
Prevailing wind direction, NE Total wind 199
Average hourly velocity, 8.3 Extreme velocity, 19
Maximum velocity, 17 Direction, NE
Time began, 5:31 p.m.
Reduced barometer, 29.96 7 a. m. 30.02 7 p. m.
River gage, 2.2 feet
Relative humidity, 84 7 a. m. 55 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

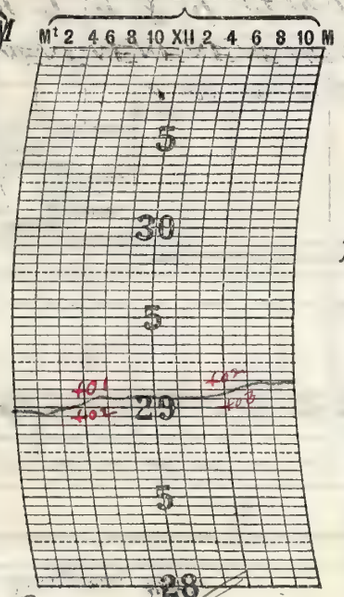
OBSERVATIONS AT ~~12 NOON~~ 12:38 p.m. (Local Mean Time.)

Dry temperature, 77.4 Wet temperature, 65.4
Dew-point, 58 R. humidity, 52 V. pressure, .482
Clouds: Amount, 6; Kind, Cu.; Direction, NE
Velocity of clouds (miles per hour)

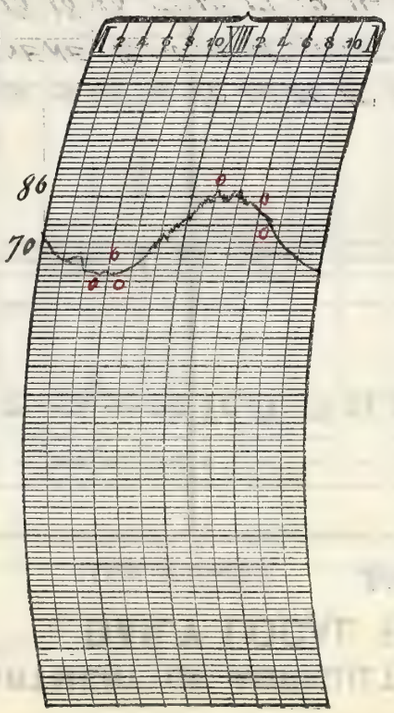
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Threatening in the early morning but the Clouds began to break up in the late forenoon, the day being partly Cloudy and the night clear with moonlight. Nearly seasonable temperature throughout.

Prepared by C. McDonough
Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 7 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	61	60	59	62	66	71	74	76	77	79	80	81	81	81	80	79	76	74	71	68	66	63
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←							Clear									→			
Sunshine (in tenths of hours)					0.79 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7 0.3	0.27 0				
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	NE	NE	NE	NE
Wind movement	8	9	7	7	8	9	12	16	18	18	18	17	15	17	15	14	13	11	10	9	8	8	7	8
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:16; Character, Clear. Moonrise: 2:33 P.m.

Sunset: Time, 7:16; Character, Clear. Moonset: 12:03 am

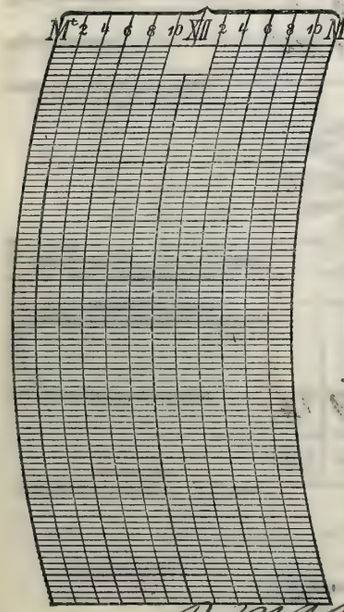
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	59	70	

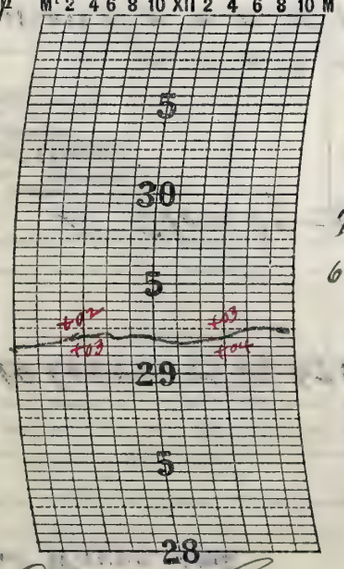
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 15.0 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind 282
Average hourly velocity, 11.8 Extreme velocity, 26
Maximum velocity, 25 Direction, NE
Time began, 11:05 am.
Reduced barometer, 30.15 7 a. m. 30.16 7 p. m.
River gage, 2.1 feet
Relative humidity, 68 7 a. m. 47 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 p.m.
(Local Mean Time.)
Dry temperature, 79.7 Wet temperature, 63.2
Dew-point, 53 R. humidity, 40 V. pressure, 402
Clouds: Amount, Few; Kind, Cu.; Direction, NE
Velocity of clouds (miles per hour)

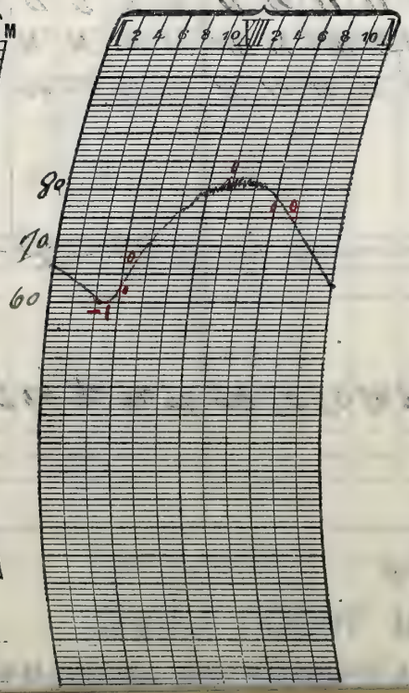
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cool, Clear and exhilarating weather.
Moonlight at night.

Prepared by P. McDonough
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Tuesday, (Date) JUL 8 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	59	57	56	55	57	63	67	72	75	78	81	82	83	83	83	82	81	78	75	72	69	67	66
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								Clear									Hazy		Cloudy					
Sunshine (in tenths of hours)					0.73 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.1	0	0				
Wind direction	NE	NE	NE	NE	NE	NE	E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	SE	E	NE	NE	NE
Wind movement	8	8	7	7	7	8	7	9	8	9	8	7	5	7	5	6	6	4	5	6	4	6	4	4

Sunrise: Time, 4:16; Character, Clear. Moonrise: 9:29 P.m.

Sunset: Time, 7:15; Character, Cloudy. Moonset: 12:37 am

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

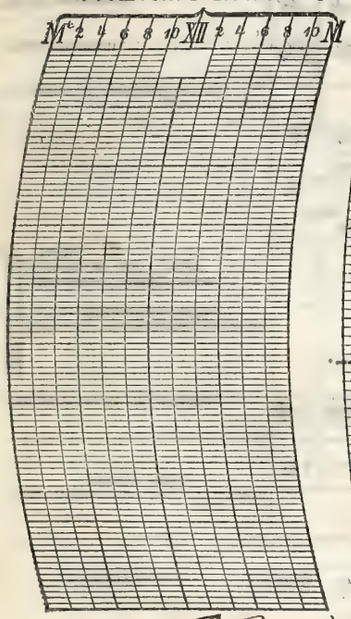
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	55	70	

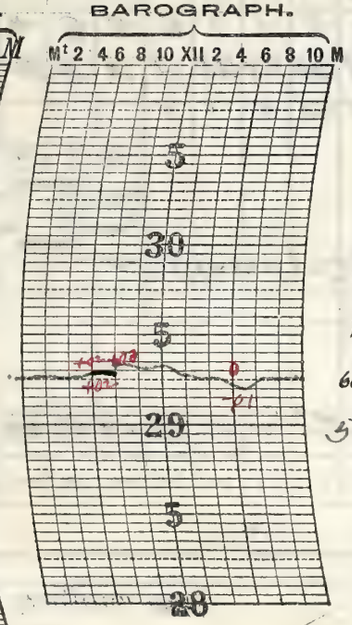
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear, Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 12.5 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 83
Prevailing wind direction, NE Total wind 155
Average hourly velocity, 6.5 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 7:40 a.m.
Reduced barometer, 30.22 7 a. m. 30.11 7 p. m.
River gage, 2.1 feet
Relative humidity, 55 7 a. m. 92 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 1238 P.M. (Local Mean Time.)
Dry temperature, 81.0 Wet temperature, 61.0
Dew-point, 47 R. humidity, 30 V. pressure, .322
Clouds: Amount, 3; Kind, Ci.cu.; Direction, W
Velocity of clouds (miles per hour)

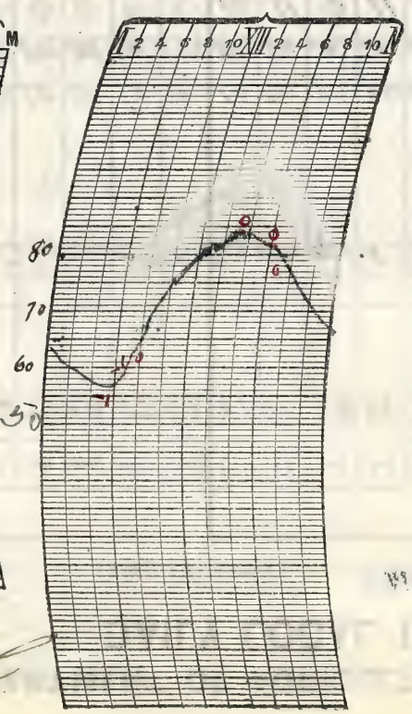
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Day clear with pleasant temperature; increasing cloudiness in the afternoon, the early night being mostly cloudy, with moonlight through the rifts in clouds.

Prepared by F. McDonough
Verified by F. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 9 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	63	61	62	65	69	72	79	85	87	88	91	91	93	92	91	90	87	84	82	81	79	77
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				L-Cloudy-7L							—Pt. Cloudy-7						—Cloudy—							
Sunrise: Time, Character, 4:17 Cloudy; Moonrise: 4:23 P.m.																					Sunset: Time, Character, 7:15 Cloudy; Moonset: 1:18 am			
Sunshine (in tenths of hours)					0	0	0	06	10	10	10	10	10	10	10	10	01	0	0	0				
Wind direction	NE	NE	E	E	E	SE	SE	SE	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	W	SW
Wind movement	4	4	3	3	2	1	1	3	6	6	7	8	10	11	15	11	11	8	7	6	7	8	13	6
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	61	77	

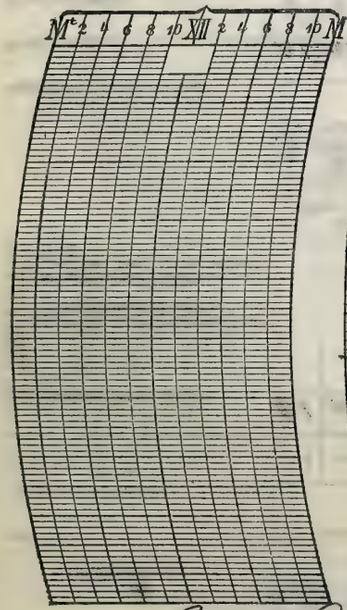
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 8.7 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 58
Prevailing wind direction, SW Total wind 161
Average hourly velocity, 6.7 Extreme velocity, 25
Maximum velocity, 22 Direction, SW
Time began, 10:18 P.M.
Reduced barometer, 30.15 7 a. m. 29.91 7, p. m.
River gage, 2.1 feet
Relative humidity, 64 7 a. m. 42 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

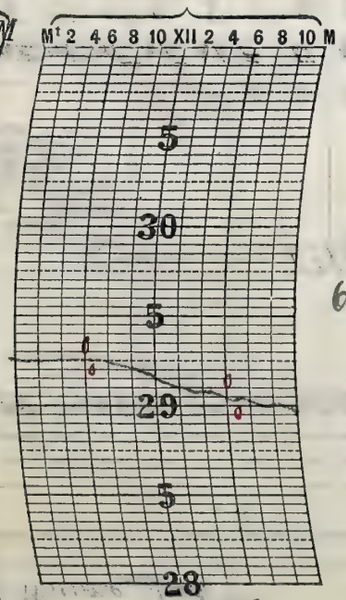
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.m.
(Local Mean Time.)

Dry temperature, 90.0 Wet temperature, 68.2
Dew-point, 56 R. humidity, 32 V. pressure, .448
Clouds: Amount, 4 ; Kind, Haze Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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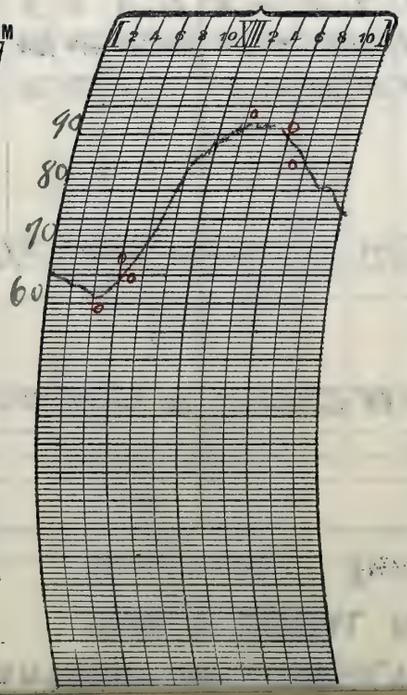


NOTES.

Light haze in the forenoon and afternoon

Generally cloudy, cirro-stratus and alto-stratus moving from northwest or west, predominating. Intensely warm but humidity rather low. Dull moonlight through clouds at night.

Prepared by P. McDonough

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 10 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	74	72	69	67	68	72	75	77	78	79	81	82	83	80	78	76	75	72	68	65	63	61	59
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions			L		Clear			TL		Pt. Cloudy			TL		—		Clear				—	T		
Sunrise: Time, Character	4:18 Cloudy																							
Moonrise	5:14 P.M.																							
Sunset: Time, Character																					7:15 Clear			
Moonset																					2:21 am			
Sunshine (in tenths of hours)					0	0	0.9	1.0	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9 0.1	0.25 0				
Wind direction	W	S	S	SW	SW	SW	SW	SW	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	4	8	10	10	11	12	14	15	16	13	14	14	14	17	20	20	19	18	14	10	7	6	4	5
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

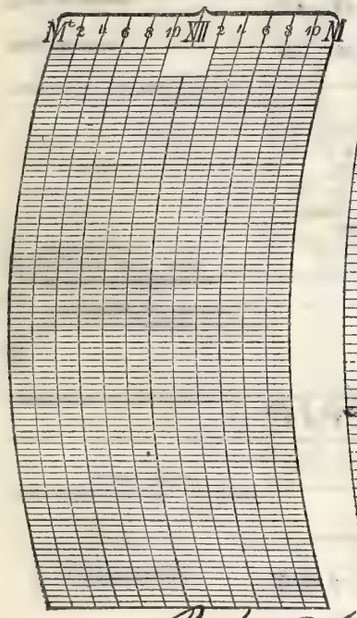
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	59	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.0 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 87
Prevailing wind direction, NW Total wind 295
Average hourly velocity, 12.3 Extreme velocity, 24
Maximum velocity, 23 Direction, NW
Time began, 2:00 PM
Reduced barometer, 29.81 7 a. m. 29.87 7 p. m.
River gage, 2.1 feet
Relative humidity, 75 7 a. m. 42 7 p. m.

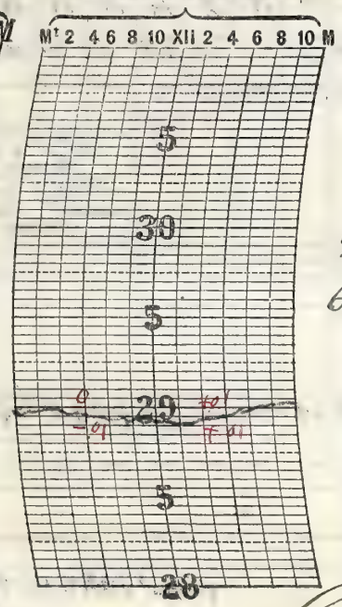
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M. (Local Mean Time.)

Dry temperature, 82.0 Wet temperature, 66.0
Dew-point, 57 R. humidity, 43 V. pressure, 465
Clouds: Amount, 4; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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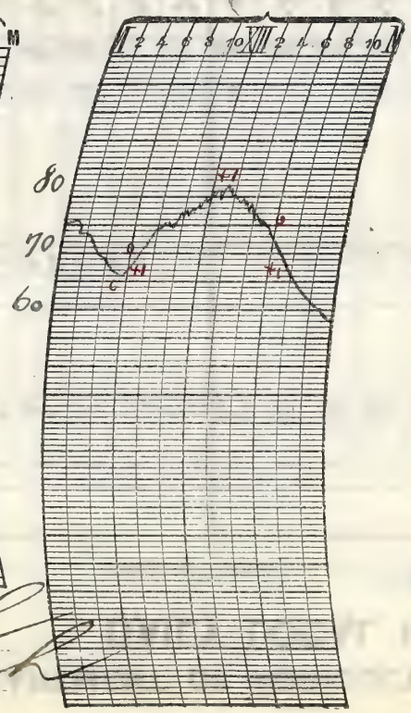


NOTES.

Generally clear and very pleasant weather, with bright moonlight at night

Prepared by C. McDonough
Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 11 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	57	55	53	52	55	59	60	65	69	72	74	77	78	80	80	80	80	77	73	73	70	68	67
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					L				Clear							L	L	Haze			7			
Sunshine (in tenths of hours)					0.70 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8 0.2	0.23 0				
Wind direction	NW	NW	N	N	NE	NE	E	E	SE	SE	SE	SE	SW	SW	SW	SW	SW	SW	S	S	S	SE	S	S
Wind movement	4	4	4	4	4	3	4	5	3	3	3	4	6	6	6	6	8	5	6	6	5	3	5	6
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:18; Character, Clear. Moonrise: 6:01 P.M.

Sunset: Time, 7:14; Character, Clear. Moonset: 2:52 A.M.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

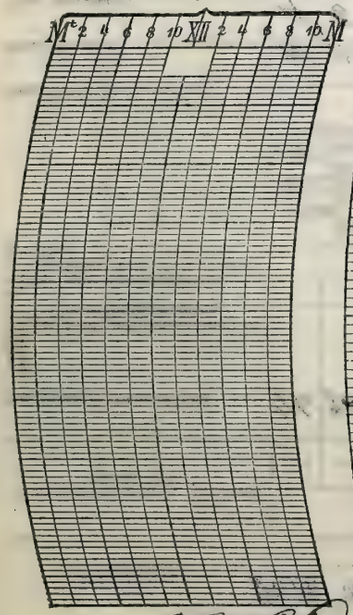
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
	81	52	66	

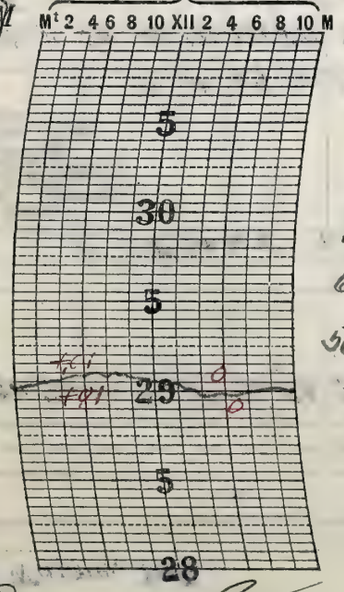
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 14.9. Possible sunshine, hours, 14.9
Per cent of possible sunshine, 100
Prevailing wind direction, SW. Total wind 113
Average hourly velocity, 4.7. Extreme velocity, 10
Maximum velocity, 10. Direction, SW
Time began, 4:11 P.M.
Reduced barometer, 30.02 7 a. m. 29.88 7 p. m.
River gage, 2.0 feet
Relative humidity, 40 7 a. m. 21 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M. (Local Mean Time.)
Dry temperature, 76.0. Wet temperature, 54.4
Dew-point, 34. R. humidity, 21. V. pressure, .195
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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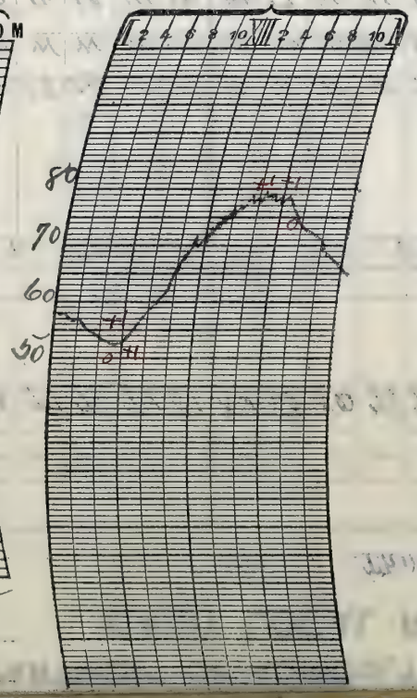


NOTES.

The weather during the day and night was generally clear, but there was some light haze in the afternoon and night. Bright moonlight observed at night. Pleasant temperatures observed and the humidity was quite low.

Prepared by P. McDonough

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 12 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	66	65	66	66	67	70	71	75	80	81	81	85	88	90	87	87	89	86	83	80	78	77	77
State of weather. Nature of precipitation and time of beginning and ending																R.13 938 RE 940								
Amounts of precipitation																T								
Cloudiness and other conditions					Cloudy				Cloudy		Cloudy		Clear				Cloudy		Clear		Cloudy			

Sunrise: Time, 4:19 Character, Cloudy

Moonrise: 6:43 P.m.

Sunset: Time, 7:14 Character, Cloudy

Moonset: 3:48 am

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	08	10	09	10	02	09	10	10	10	08	08	06	01	0				
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	W	SW	W	W	W	W	W	N	N	NE
Wind movement	8	6	7	7	5	6	11	12	11	14	6	12	16	18	16	17	15	9	5	3	4	5	3	2
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
91	65	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 10.1 Possible sunshine, hours, 14.9

Per cent of possible sunshine, 68

Prevailing wind direction, SW Total wind 218

Average hourly velocity, 9.1 Extreme velocity, 24

Maximum velocity, 22 Direction, SW

Time began, 3:13 P.m

Reduced barometer, 29.87 7 a. m. 29.83 7 p. m.

River gage, 2.1 feet

Relative humidity, 52 7 a. m. 48 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

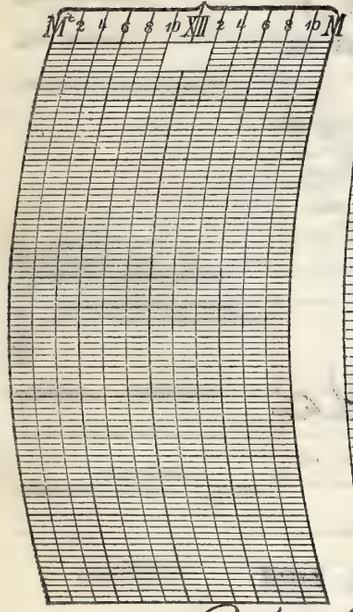
Dry temperature, 86.0 Wet temperature, 69.0

Dew-point, 61 R. humidity, ~~44~~ V. pressure, .536

Clouds: Amount, 1; Kind, Cirrus; Direction, NW

Velocity of clouds (miles per hour)

THERMOGRAPH.



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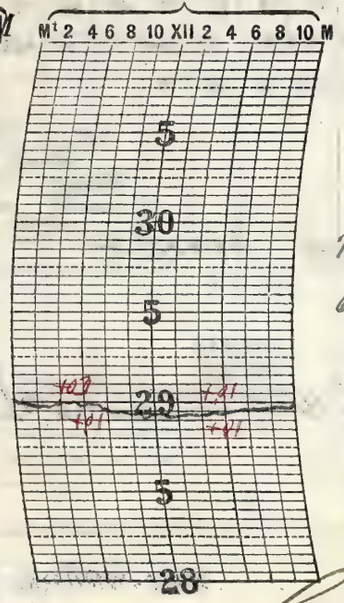
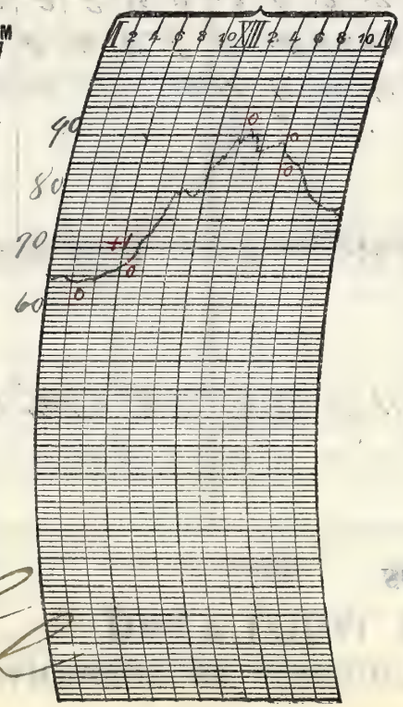


THERMOGRAPH.



NOTES.

The weather during the day was generally unsettled, warm and muggy.

A moderate thunderstorm began at Eleven thirty five p.m. and continued into the 13th.

Prepared by E. M. Donough

Verified by E. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 13 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	74	72	71	70	69	69	71	74	77	82	86
Nature of precipitation and time of beginning and ending						RB 535	RE 607					
Amounts of precipitation						T	T					
Cloudiness and other conditions				← Cloudy			-	→	Pt. Cloudy		-	→
Sunrise: Time, 4:20; Character, Cloudy												
Moonrise: 7:21 P.M.												
Sunshine (in tenths of hours)					0	0	0	0.1	0.6	0.7	1.0	1.0
Wind direction	NE	NW	N	N	NW	N	NE	SE	S	E	E	S
Wind movement	5	2	3	3	3	3	6	2	2	2	4	5
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	88	86	88	91	90	92	88	83	82	68	72	71
Nature of precipitation and time of beginning and ending										RB 930	- -	- -
Amounts of precipitation										.41	.01	T
Cloudiness and other conditions		Cloudy	→		Pt. Cloudy	→	Clear	→	Pt. Cloudy	→	Cloudy	→
Sunset: Time, 7:13; Character, Cloudy												
Moonset: 4:49 am												
Sunshine (in tenths of hours)	ϕ 1.0	ϕ 1.0	ϕ 1.0	1.0	1.0	1.0	0.7	0				
Wind direction	S	NE	NE	NE	W	E	E	E	SE	SE	E	E
Wind movement	3	6	5	3	3	3	4	4	4	13	4	3
Maximum velocities (exceeding 29 miles) direction and time										31 W 9.41		

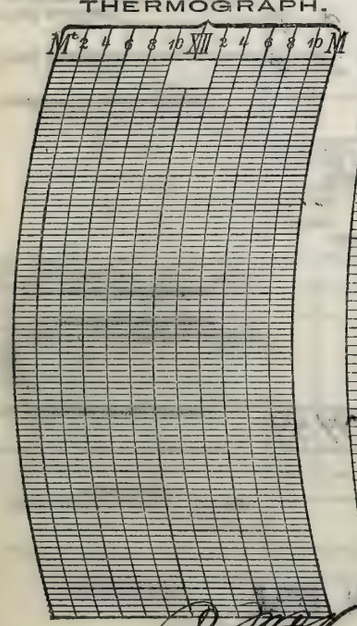
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	68	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .42 inches.
Character of day, Pt. Cloudy Moon phase, Full moon (202 am)
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.1 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 61
Prevailing wind direction, E Total wind 95
Average hourly velocity, 4.0 Extreme velocity, 34
Maximum velocity, 31 Direction, W
Time began, 9.41 P.M.
Reduced barometer, 29.95 7 a. m. 29.97 7 p. m.
River gage, 2.0 feet
Relative humidity, 86 7 a. m. 52 7 p. m.

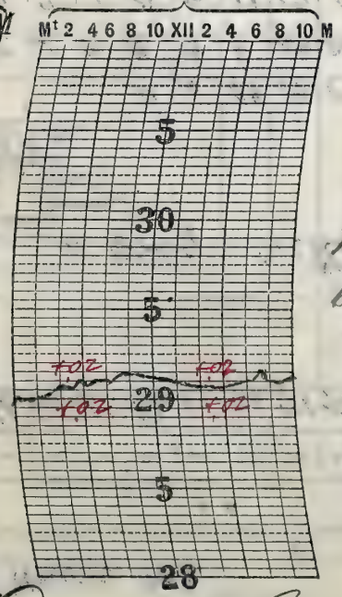
OBSERVATIONS AT ~~12 NOON~~. 12.38 P.M. (Local Mean Time.)
Dry temperature, 87.6 Wet temperature 72.8
Dew-point, 66 R. humidity, 49 V. pressure, .638
Clouds: Amount, 8; Kind, Cu.; Direction, NE
Velocity of clouds (miles per hour)

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts	930p	9.14a	.48	934p	948p	.01	.10	.31	.39											

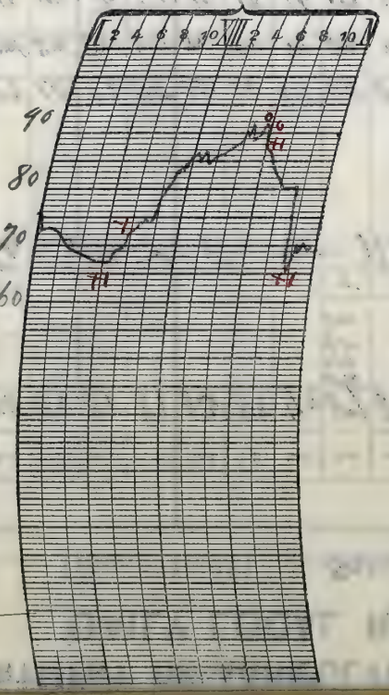
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by P. McDonough
Verified by P. McDonough

ϕ Sunshine through detached clouds.

NOTES.

The thunderstorm which began last night ended in the early hours of the morning.

The weather was mostly partly cloudy and unusually warm with light variable winds.

There was intermittent moonlight at night.

Vivid lightning was observed in the west at 8.30 p.m., and a thunderstorm which began at 9.30 p.m. and moved from the west continued into the 14th. The storm was attended by excessive rainfall from 9.34 p.m. to 9.48 p.m.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 14 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	71	70	69	69	71	75	79	84	86	89	91	88	93	80	78	80	80	80	78	75	74	73	72
State of weather: Nature of precipitation and time of beginning and ending	--	--	RE 2.N												RB 258	RE 215 R 13 325	RE 430						R13 1015 RE 1050	
Amounts of precipitation	.04	.01	.01												T	.10	T						.02	
Cloudiness and other conditions	2	Cloudy						K		Pt. Cloudy					K	Cloudy								

Sunrise: Time, 4:21 Character, Cloudy

Moonrise: 7.55 P.M.

Sunset: Time, 7:13 Character, Cloudy

Moonset: 5.51 AM

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.3	0	0.1	0.4	0				
Wind direction	N	E	E	E	S	S	S	SW	SW	SW	SW	SW	SW	S	S	W	SW	SW	SW	SW	NW	NW	W	SW
Wind movement	9	5	3	3	6	5	8	13	11	11	11	13	12	10	16	11	10	10	10	7	10	3	4	4

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	69	81	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .48 ins.; to 7 p. m., .10 ins.

Total precipitation, midnight to midnight, .18 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 7

Actual sunshine, hours, 9.5 Possible sunshine, hours, 14.9

Per cent of possible sunshine, 64

Prevailing wind direction, SW Total wind 205

Average hourly velocity, 8.5 Extreme velocity, 23

Maximum velocity, 23 Direction, W

Time began, 2:41 PM

Reduced barometer, 30.04 7 a. m. 29.89 7 p. m.

River gage, 2.1 feet

Relative humidity, 80 7 a. m. 69 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:58 P.M.
(Local Mean Time.)

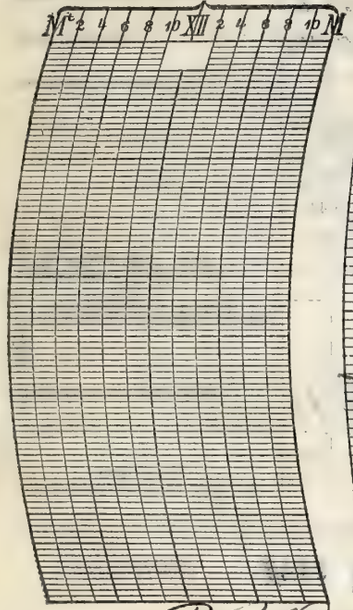
Dry temperature, 91.0 Wet temperature, 75.0

Dew-point, 68 R. humidity, 48 V. pressure, .684

Clouds: Amount, 8; Kind, Cu.; Direction, SW

Velocity of clouds (miles per hour)

THERMOGRAPH.



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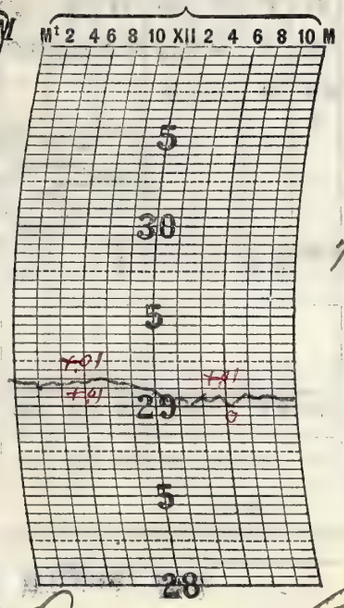

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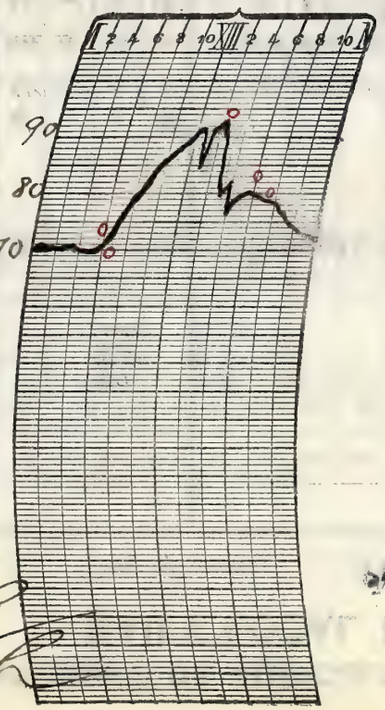


NOTES.

The thunderstorm which continued from the night of the 13th ended in the early hours of the morning.

Generally partly cloudy, intensely warm, especially in the early afternoon hours, and quite muggy, with showers at intervals during the day.

One peal of thunder was heard in the north at 11:17 am.

Prepared by P. McDonough

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 15 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	71	71	72	72	72	73	75	77	77	73	77
State of weather: Nature of precipitation and time of beginning and ending											RB 10:10 RE 1050	
Amounts of precipitation											.07	
Cloudiness and other conditions				L	Cloudy							
Sunrise: Time, Character	Sunrise: 4:21 Cloudy											
Moonrise	Moonrise: 8:26 P.M.											
Sunshine (in tenths of hours)					0	0	0	0.2	1.0	0.3	0.7	1.0
Wind direction	SW	SW	SW	SW	SW	W	W	W	NW	W	NW	NW
Wind movement	7	5	6	4	5	4	5	5	4	4	5	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	84	83	80	71	76	73	70	68	66	64	63
State of weather: Nature of precipitation and time of beginning and ending	RB 12:15 RE 1235											
Amounts of precipitation	T											
Cloudiness and other conditions	Partly Cloudy					Clear						
Sunset: Time, Character									Sunset: 7:12 Clear			
Moonset									Moonset: 6:55 A.M.			
Sunshine (in tenths of hours)	0.4	1.0	1.0	1.0	1.0	1.0	0.8	0.2	0.0			
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N	N
Wind movement	5	7	13	15	16	15	10	9	8	5	4	5

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	63	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .07 ins.
Total precipitation, midnight to midnight, .07 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.3 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 63
Prevailing wind direction, NW Total wind 171
Average hourly velocity, 7.1 Extreme velocity, 20
Maximum velocity, 19 Direction, NW
Time began, 4:08 P.M.
Reduced barometer, 29.92 7 a. m. 29.94 7 p. m.
River gage, 2.1 feet
Relative humidity, 89 7 a. m. 61 7 p. m.

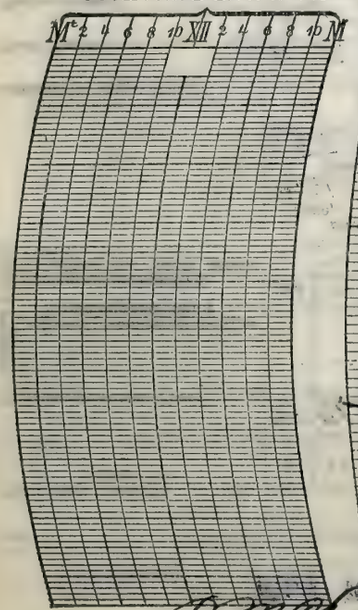
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M. (Local Mean Time.)

Dry temperature, 76.3 Wet temperature, 70.3
Dew-point, 67 R. humidity, 74 V. pressure, .661
Clouds: Amount, 10; Kind, Nb; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



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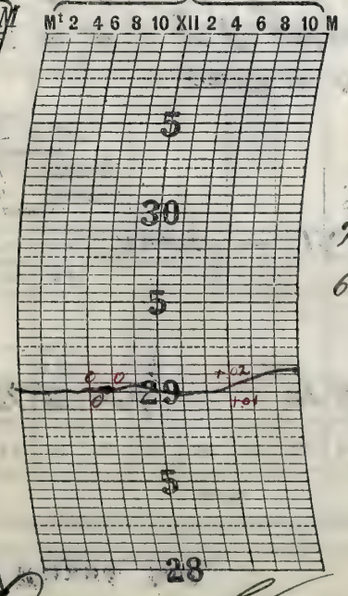

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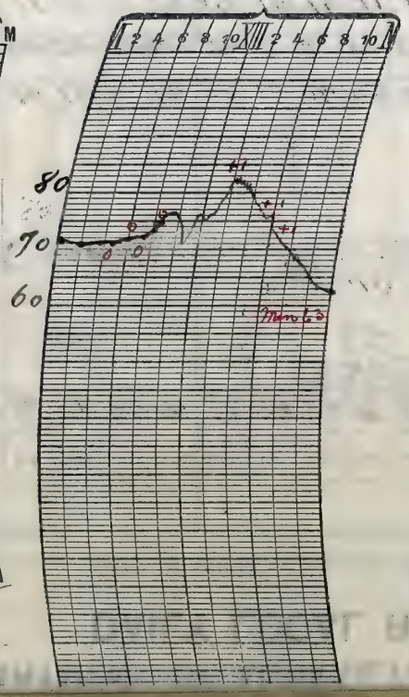


⊗ Sunshine through rifts in clouds

NOTES.

Forenoon Cloudy with moderate thunderstorm from 10:10 am to 10:30 am. afternoon partly cloudy to clear. Mild temperature obtained the day, as a rule, was quite pleasant with invigorating westerly winds. Moonlight in the late night.

Prepared by P. McDonough

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 1 3 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	59	58	57	57	58	60	64	67	69	70	73
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	L — Clear —											
Sunshine (in tenths of hours)					0.6 / 0	0.8 / 0.2	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	N	N	N	N	N	NE	NE	NE	N	N	N
Wind movement	5	4	3	3	4	3	7	7	6	7	7	6
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	76	77	78	80	79	77	73	71	68	66	65
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	— Clear — 7											
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.2 / 0.8	1.0	0.1 / 0				
Wind direction	N	N	NE	NE	NE	N	NW	NW	NW	NW	N	N
Wind movement	7	7	6	4	4	5	5	5	4	5	4	3
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 4:22 Character, Clear
Moonrise: 8:57 P.m.
Sunset: Time, 7:11 Character, Clear
Moonset: 8:01 Am

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

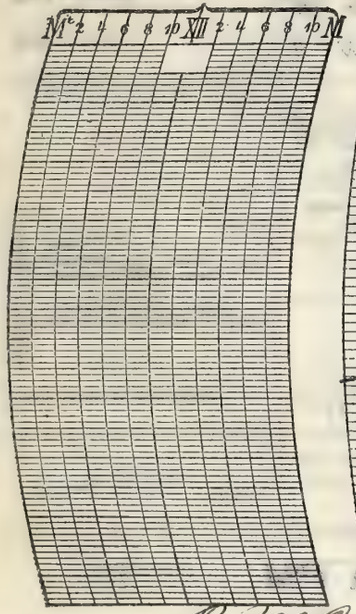
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	57	68	

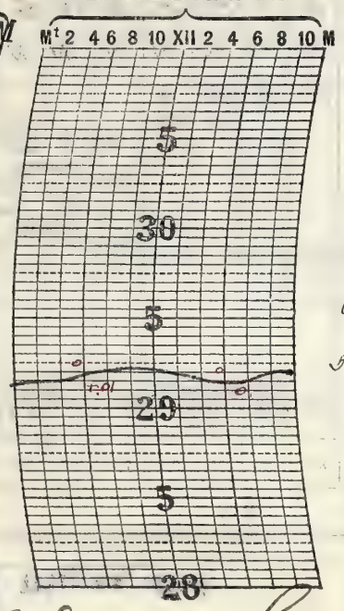
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 14.8 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 100
Prevailing wind direction, N Total wind 121
Average hourly velocity, 5.0 Extreme velocity, 10
Maximum velocity, 10 Direction, NE
Time began, 12:19 P.m
Reduced barometer, 30.12 7 a. m. 30.07 7 p. m.
River gage, 2.2 fmt
Relative humidity, 79 7 a. m. 44 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 PM
(Local Mean Time.)
Dry temperature, 73.7 Wet temperature, 60.9
Dew-point, 53 R. humidity, 48 V. pressure, .402
Clouds: Amount, Cl.; Kind, Haze Direction,
Velocity of clouds (miles per hour)

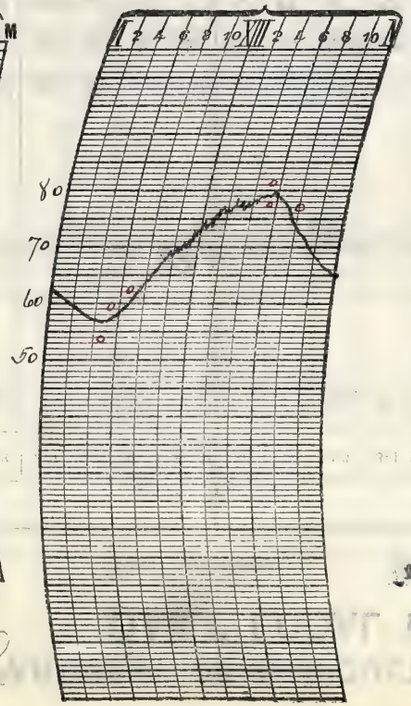
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light haze during a considerable part of the day. Cloudless and pleasant weather. Moonlight in the late night.

Prepared by P. McDonough
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 17 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	62	62	62	64	69	75	77	78	79	81
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)					0	0.6	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	N	N	N	N	N	N	E	E	E	E
Wind movement	2	2	4	3	2	2	1	3	4	5	9	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	83	83	84	85	85	84	82	76	75	72	70	68
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	1.0 0.18	0				
Wind direction	NE	E	NE	NE	E	NE	NE	E	E	E	E	E
Wind movement	7	7	8	7	5	6	5	7	10	7	7	5

Clear

Sunrise: Time, 4:23 Character, Clear

Moonrise: 9:27 P.M.

Sunset: Time, 7:11 Character, Clear

Moonset: 9:08 A.M.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

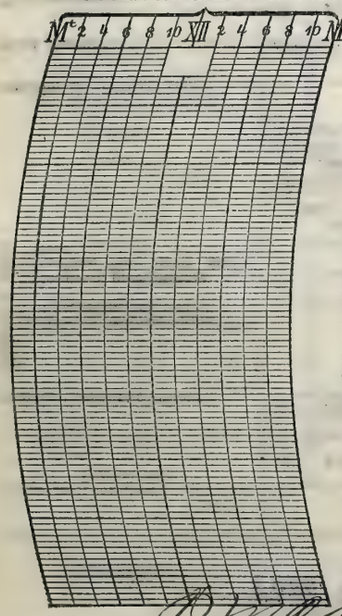
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	61	73	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 14.8 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind 125
Average hourly velocity, 5.2 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 10:55 am
Reduced barometer, 30.15 7 a. m. 30.06 7 p. m.
River gage, 2.2 feet
Relative humidity, 60 7 a. m. 34 7 p. m.

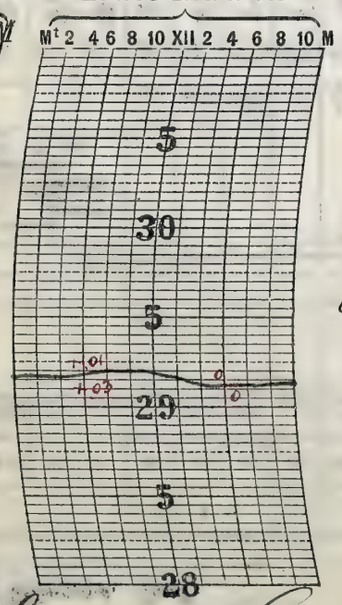
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M. (Local Mean Time.)

Dry temperature, 80.4 Wet temperature, 61.4
Dew-point, 48 R. humidity, 32 V. pressure, .334
Clouds: Amount, Few; Kind, Cu.; Direction, E
Velocity of clouds (miles per hour)

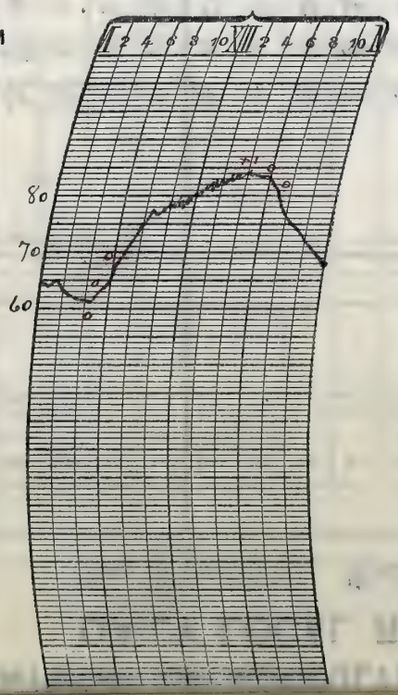
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and pleasant weather with low humidity

Prepared by J. McDonough

Verified by J. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 18 1919, 191

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	65	63	63	61	62	67	73	77	81	83	86	88	88	89	88	87	86	82	77	76	72	71	69
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions									Clear															
Sunshine (in tenths of hours)					0.60 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3 0.7	0.8 0	0				
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	NE	E	NE	NE	NE	NE	E	NE	NE	NE
Wind movement	4	4	6	4	7	6	7	7	8	10	10	8	8	7	7	6	8	9	10	8	8	7	6	6
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:24 Character, Clear
Moonrise: 9:58 P.m.
Sunset: Time, 7:10 Character, Cloudy
Moonset: 10:17 am

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

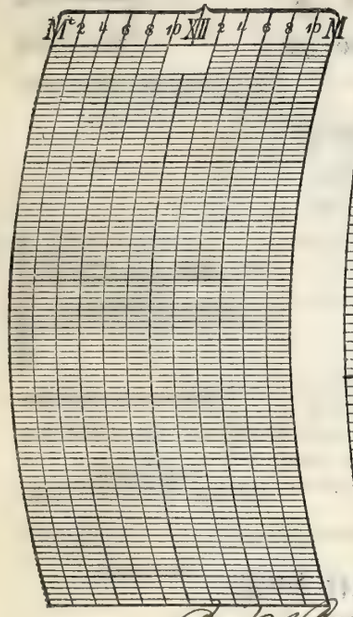
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
89	61	75	

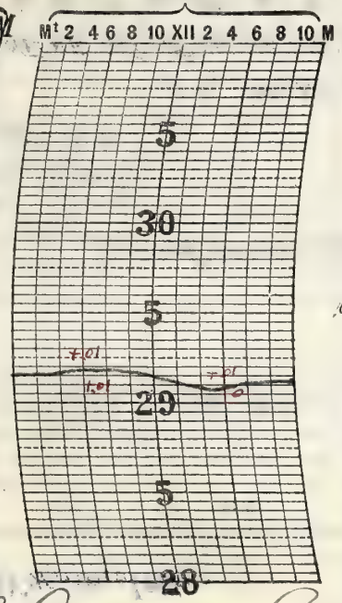
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 14.4 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 97
Prevailing wind direction, NE Total wind 171
Average hourly velocity, 7.1 Extreme velocity, 15
Maximum velocity, 14 Direction, NE
Time began, 9:47 am
Reduced barometer, 30.10 7 a. m. 30.01 7 p. m.
River gage, 2.1 feet
Relative humidity, 69 7 a. m. 36 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 85.8 Wet temperature, 64.0
Dew-point, 50 R. humidity, 29 V. pressure, 360
Clouds: Amount, few; Kind, Cu.; Direction, S
Velocity of clouds (miles per hour)

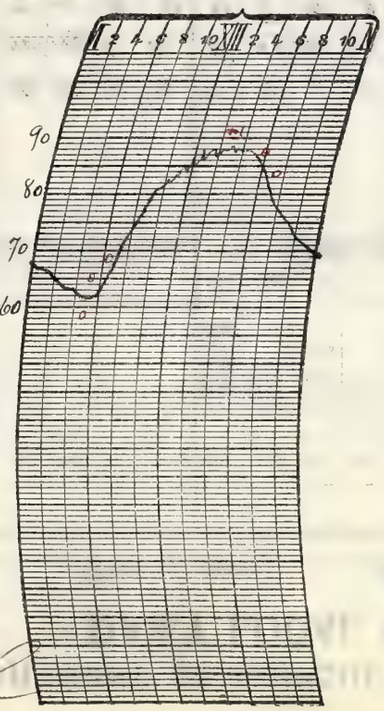
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear but with light haze. Moderately warm.

Prepared by A. McDonough
Verified by A. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 19 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	67	66	65	64	66	70	74	79	79	83	86
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear						Pt. Cldy	
Sunshine (in tenths of hours)					2	0	06	10	10	10	10	10
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E
Wind movement	6	6	6	7	6	5	6	7	7	10	9	9

Sunrise: Time, 4:25 Character, Clear

Moonrise: 10:32 P.m.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	84	85	74	78	78	79	79	78	78	76	74	73
Nature of precipitation and time of beginning and ending	RB 1215 RE 1225	RB 147	RE 215									
Amounts of precipitation	T.	06	01									
Cloudiness and other conditions			Cloudy									
Sunshine (in tenths of hours)	04	03	0	0	0	0	0	0				
Wind direction	E	NE	SW	SW	SW	SW	NW	NW	N	N	NE	S
Wind movement	7	8	7	3	3	3	1	1	2	2	2	0

Sunset: Time, 7:09 Character, Cloudy

Moonset: — — —

State of weather.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	64	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .07 ins.

Total precipitation, midnight to midnight, 0.07 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 8.3 Possible sunshine, hours, 14.7

Per cent of possible sunshine, 56

Prevailing wind direction, NE Total wind 129

Average hourly velocity, 5.4 Extreme velocity, 14

Maximum velocity, 13 Direction, NE

Time began, 9:22 am

Reduced barometer, 30.06 7 a. m. 29.99 7, p. m.

River gage, 2.1 feet

Relative humidity, 77 7 a. m. 73 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M. (Local Mean Time.)

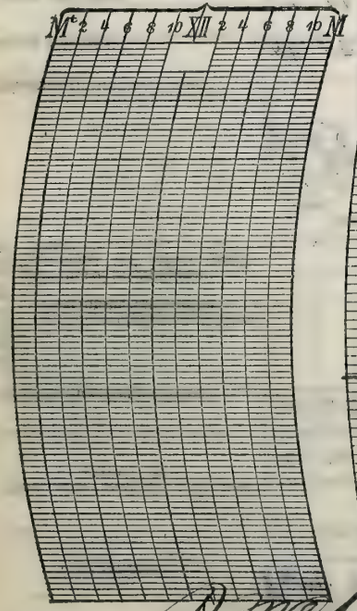
Dry temperature, 85.0 Wet temperature, 72.0

Dew-point, 66 R. humidity, 54 V. pressure, .638

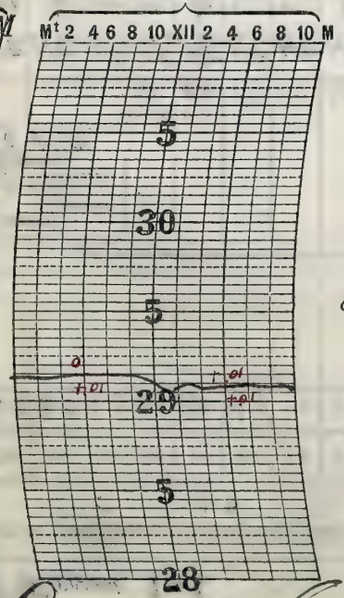
Clouds: Amount, 10; Kind, Nb; Direction, E

Velocity of clouds (miles per hour)

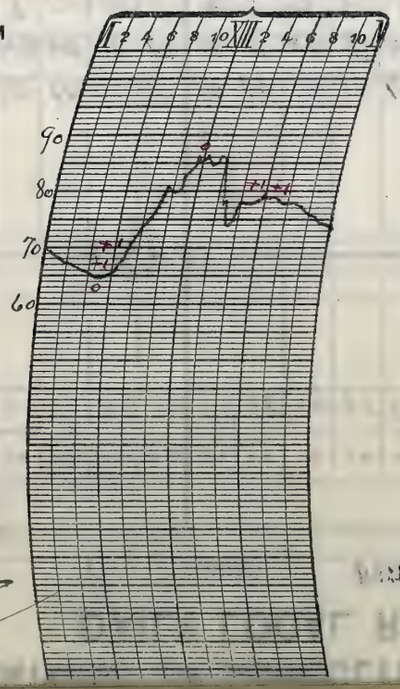
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Increasing Cloudiness after the am observation, with light haze during the forenoon, afternoon and night Cloudy with showers in the early afternoon and a moderate thunderstorm from 12:10 pm till 2:15 pm. The day was quite sultry.

Prepared by P. McDonough

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 20 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	70	70	71	71	71	71	64	67	67	69	77
State of weather: Nature of precipitation and time of beginning and ending	R.B 1245	RE 1.40						RB 707	--	--	RE 1055	
Amounts of precipitation	T	.01						.37	.02	.10	.01	
Cloudiness and other conditions				L	Cloudy							X
Sunrise: Time, Character	4:26 Cloudy											
Moonrise	11:10 P.M.											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0.8
Wind direction	E	SW	W	W	NW	NW	NW	NW	NW	N	N	NW
Wind movement	6	7	8	8	8	6	4	9	8	7	9	10

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	78	77	74	77	76	75	73	71	68	68	67
State of weather: Nature of precipitation and time of beginning and ending		RB 1.10 RE 1.17										
Amounts of precipitation		T										
Cloudiness and other conditions	Pt. cldy		Cloudy		Pt. cldy		Clear		Pt. cldy			
Sunset: Time, Character									7.09 Cloudy			
Moonset									1233 P.M.			
Sunshine (in tenths of hours)	0.8	0.5	0.8	0.2	0.8	0.3	0	0				
Wind direction	N	N	NE	NE	NE	NE	NE	E	E	NE	NE	NE
Wind movement	11	11	17	12	9	10	7	7	7	6	4	3

Maximum velocities (exceeding 29 miles) direction and time.

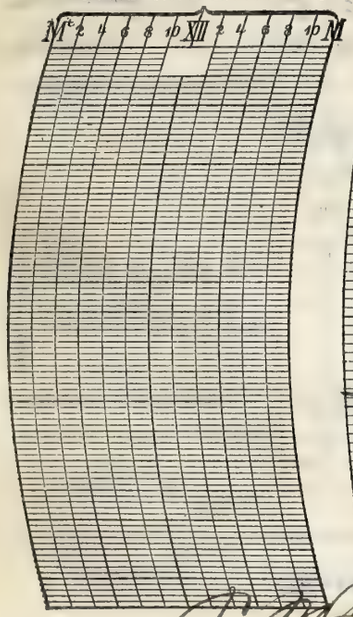
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	64	71	–

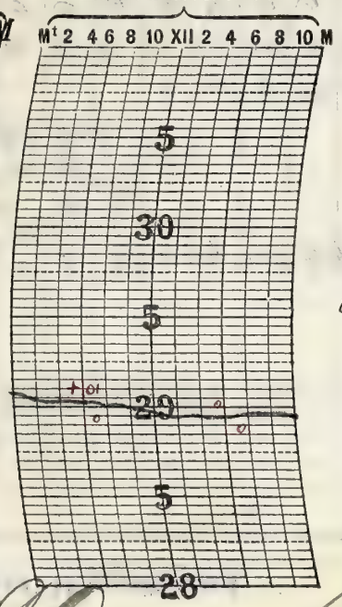
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .50 ins.
Total precipitation, midnight to midnight .51 inches.
Character of day Cloudy Moon phase Last quarter 5.03 am
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 4.2 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 29
Prevailing wind direction, NE Total wind 194
Average hourly velocity, 8.1 Extreme velocity, 19
Maximum velocity, 18 Direction, NE
Time began, 2.32 p.m.
Reduced barometer, 29.93 7 a. m. 29.84 7 p. m.
River gage, 2.4 fall
Relative humidity, 73 7 a. m. 70 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 77.4 Wet temperature, 70.4
Dew-point, 67 R. humidity, 71 V. pressure, .661
Clouds: Amount, 7; Kind, Cu.; Direction, N
Velocity of clouds (miles per hour)

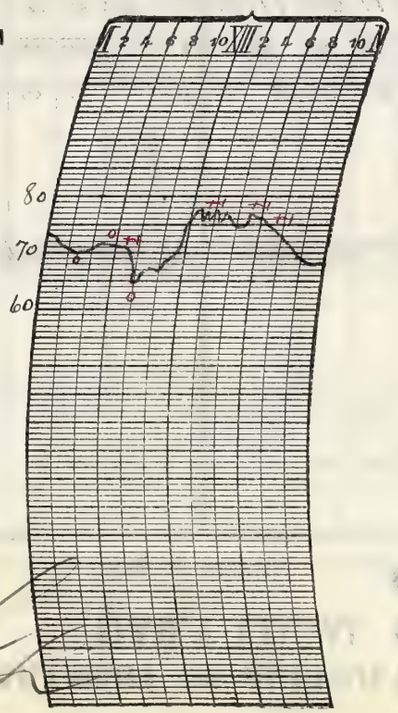
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Moderate temperatures; cloudy and unsettled weather, with showers

Prepared by J. M. Donough
Verified by J. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 21 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	67	67	67	69	69	69	69	73	76	78	79	81
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			1	Cloudy			7	Partly cloudy		1	Clear	7
Sunrise: Time, Character	4:27 Cloudy											
Moonrise	11:54 P.M.											
Sunshine (in tenths of hours)					0	0	0	0.7	1.0	1.0	1.0	1.0
Wind direction	N	N	N	N	N	NW	NW	N	NW	NW	NW	NW
Wind movement	3	5	5	4	4	4	5	5	7	9	9	10

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	83	85	85	86	87	85	82	77	75	73	72	71
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt. Cloudy						7	Clear	7			
Sunset: Time, Character									7:08 Cloudy			
Moonset									1:43 P.M.			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.4						
Wind direction	W	W	W	W	W	W	NW	NW	N	N	W	NW
Wind movement	10	11	10	11	11	11	8	10	5	4	3	5

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

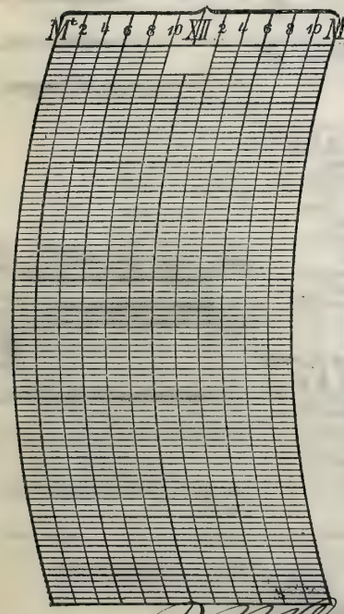
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
87	67	77	–

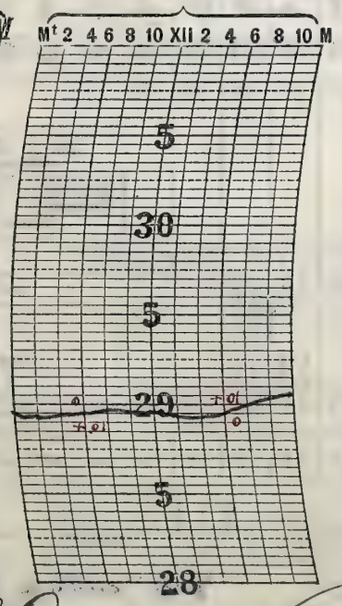
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 10.1 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 69
Prevailing wind direction, NW Total wind 169
Average hourly velocity, 7.0 Extreme velocity, 14
Maximum velocity, 13 Direction, NW
Time began, 5:15 P.M.
Reduced barometer, 29.85 7 a. m. 29.85 7 p. m.
River gage, 2.2 feet
Relative humidity, 87 7 a. m. 47 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 82.0 Wet temperature, 69.2
Dew-point, 63 R. humidity, 53 V. pressure, .575
Clouds: Amount, 5; Kind, Cu.; Direction, W
Velocity of clouds (miles per hour)

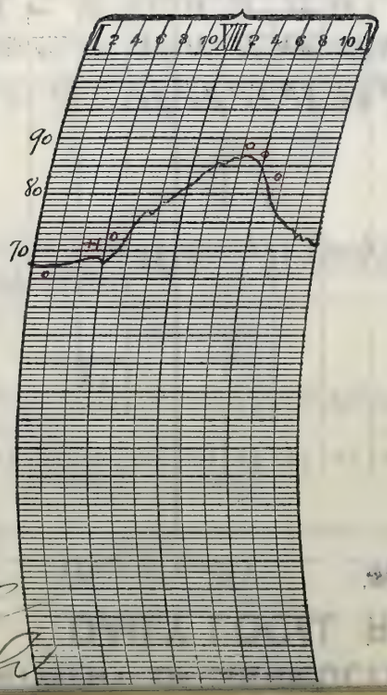
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The day was mostly partly cloudy with light haze in the afternoon and night. Moderate temperatures obtained.

Prepared by P. McDonough
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 22 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	69	68	67	66	66	68	72	76	79	81	82	83	84	84	85	84	84	81	76	74	73	71	71
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Pt. Cloudy						C	l	e	a	r									
Sunshine (in tenths of hours)					0	0	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7 0.3	0.12 0				
Wind direction	NW	NW	NW	N	N	N	N	NE	NE	NE	N	N	N	N	NW	N	NW	NW	NW	NW	NW	N	N	N
Wind movement	5	8	8	4	5	6	7	7	10	9	8	8	7	9	9	8	10	9	7	7	6	5	3	4
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:27 Character, Cloudy
Moonrise: — —

Sunset: Time, 7:07 Character, Clear
Moonset: 2:53 PM

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	66	76	

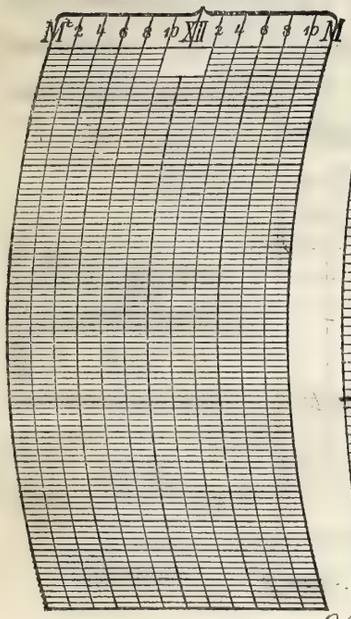
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.8 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 87
Prevailing wind direction, N Total wind 169
Average hourly velocity, 7.0 Extreme velocity, 14
Maximum velocity, 13 Direction, N.W.
Time began, 4:28 pm.
Reduced barometer, 30.05 7 a. m. 30.04 7 p. m.
River gage, 2.2 feet
Relative humidity, 71 7 a. m. 33 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
							Accumulated depths during excessive rate, for consecutive periods of time indicated below.													

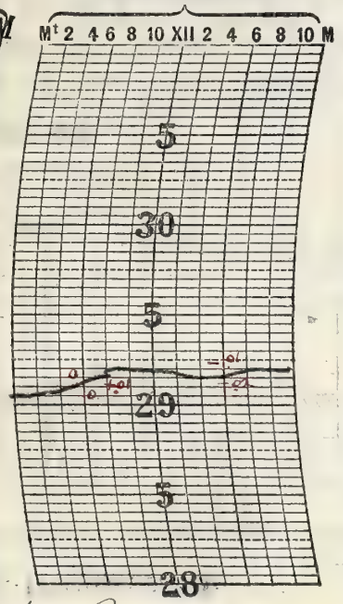
OBSERVATIONS AT ~~12 NOON~~ 12:38 PM
(Local Mean Time.)

Dry temperature, 81.0 Wet temperature, 62.6
Dew-point, 51 R. humidity, 35 V. pressure, .373
Clouds: Amount, 1; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

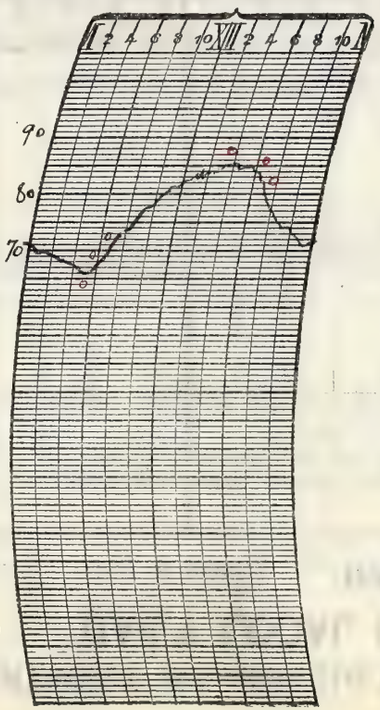
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Decreasing cloudiness after the early morning observation, the being mostly clear, with pleasant temperature.

Prepared by W. S. Baker
Verified by P. M. Clough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 23 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	67	66	63	62	65	69	76	80	83	85	87
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←					Clear	
Sunshine (in tenths of hours)					0.5 0	1.0 0	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	N	N	N	N	N	N	W	W	W	W
Wind movement	6	2	2	2	2	3	3	2	3	4	6	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	88	89	90	89	87	86	84	80	77	75	74	72
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←	Clear			→	Pr Cloudy	
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.1 0.8	0.0 0	0				
Wind direction	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	5	5	7	9	9	9	6	6	8	9	8	9

Sunrise: Time, 4:28 Character, Clear
Moonrise: 12:44 am
Sunset: Time, 7:06 Character, Cloudy
Moonset: 3:57 PM

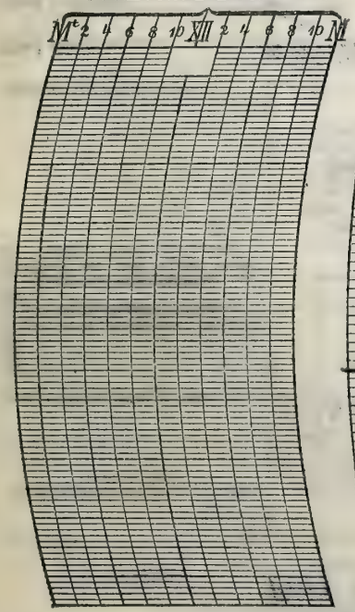
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	62	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 14.1 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 97
Prevailing wind direction, S.W. Total wind 130
Average hourly velocity, 5.4 Extreme velocity, 12
Maximum velocity, 12 Direction, S.W.
Time began, 4:20 pm.
Reduced barometer, 30.14 7 a. m. 30.02 7 p. m.
River gage, 2.2 ft.
Relative humidity, 61 7 a. m. 35 7 p. m

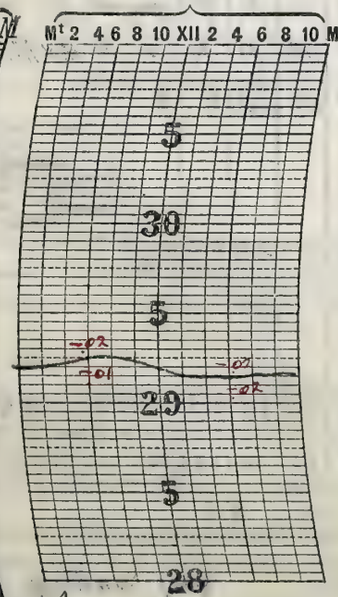
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M. (Local Mean Time.)
Dry temperature, 87.0 Wet temperature, 65.5
Dew-point, 52 R. humidity, 31 V. pressure, .387
Clouds: Amount, Few; Kind, Cu; Direction, S.W.
Velocity of clouds (miles per hour)

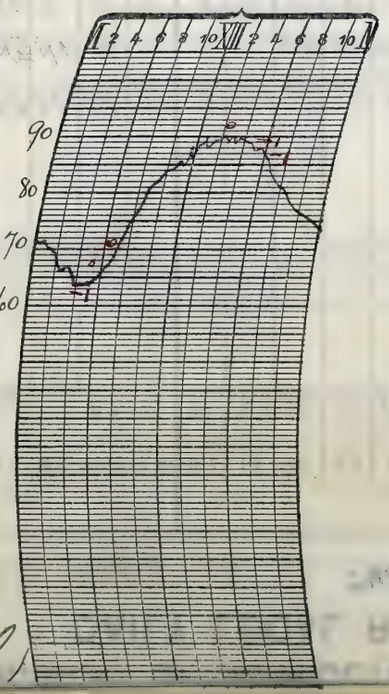
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by N. S. Baker
Verified by P. McDonough

* From eye obs.

NOTES.

Day mostly Clear and warm; Some cirrostratus and alto-stratus clouds from the west in the afternoon and night

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 24 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	70	70	69	68	69	72	76	77	80	83	85
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					←						Clear	
Sunshine (in tenths of hours)					0.5 2 0	1.0 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	W	W	NW	NW
Wind movement	9	10	10	10	9	12	9	10	8	8	8	9

Sunrise: Time, 4:29; Character, Clear. Moonrise: 1:42 a.m.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	87	89	89	89	88	86	84	78	76	73	71	70
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions									→			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.2 0.8	1.0 0	0.08 0				
Wind direction	NW	NW	NW	NW	NW	N	N	NW	N	N	N	N
Wind movement	10	10	9	10	8	9	7	8	8	6	5	3

Sunset: Time, 7:05; Character, Clear. Moonset: 4:55 P.M.

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

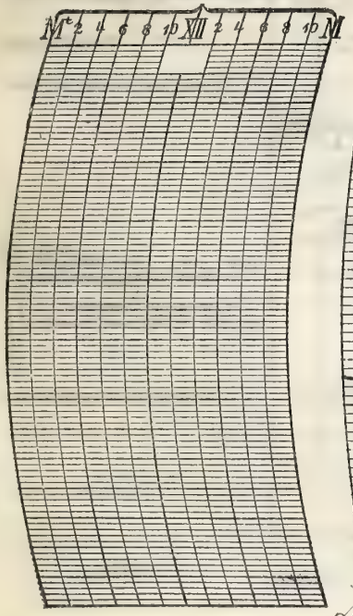
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	68	79	

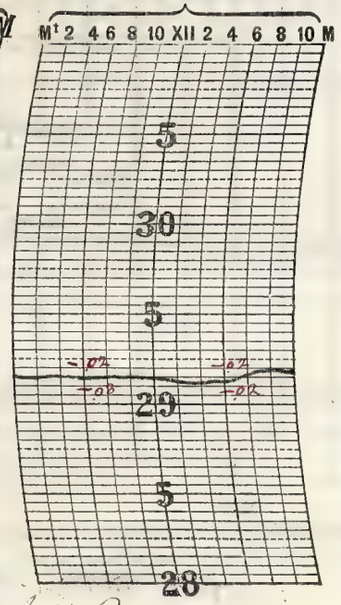
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 14.6 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 100
Prevailing wind direction, N.W. Total wind 205
Average hourly velocity, 8.5 Extreme velocity, 16
Maximum velocity, 14 Direction, N.W.
Time began, 12:43 p.m.
Reduced barometer, 30.02, 7 a. m. 30.06, 7 p. m.
River gage, 2.2 ft.
Relative humidity, 57, 7 a. m. 39, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12.38 p.m.
(Local Mean Time.)
Dry temperature, 86.5 Wet temperature, 69.2
Dew-point, 60 R. humidity, 41 V. pressure, .517
Clouds: Amount, Few; Kind, Cu; Direction, N.W.
Velocity of clouds (miles per hour)

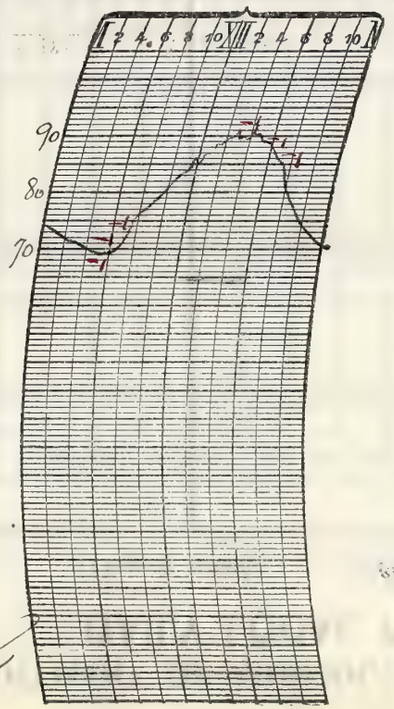
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Warm, clear, pleasant weather.

Prepared by N S Baker
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 25 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	68	67	66	65	63	64	66	70	76	82	84	87
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt. Cloudy							
Sunshine (in tenths of hours)					0	0	0.3	0.5	1.0	1.0	1.0	1.0
Wind direction	N	N	NE	NE	NE	NE	E	E	E	SE	SE	S
Wind movement	6	6	6	7	5	6	5	5	4	6	8	8

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	90	92	93	92	93	91	88	86	84	82	81	81
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.7	1.0	0.3	0	0				
Wind direction	SW	SW	S	S	S	S	S	S	S	S	S	SW
Wind movement	7	7	7	8	11	8	6	6	9	10	12	12

Sunrise: Time, 4.30 Character, Cloudy
Moonrise: 2:47 am.

Sunset: Time, 7:04 Character, Cloudy
Moonset: 5.46 P.M.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

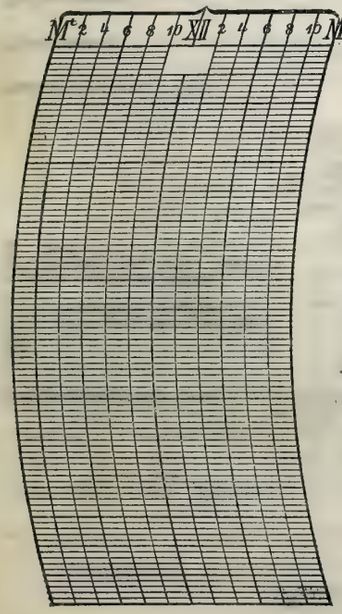
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	63	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 9.8 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 67
Prevailing wind direction, S Total wind 175
Average hourly velocity, 7.3 Extreme velocity, 15
Maximum velocity, 14 Direction, S
Time began, 10:49 pm.
Reduced barometer, 30.12 7 a. m. 29.97 7 p. m.
River gage, 2.2 ft.
Relative humidity, 73 7 a. m. 42 7 p. m.

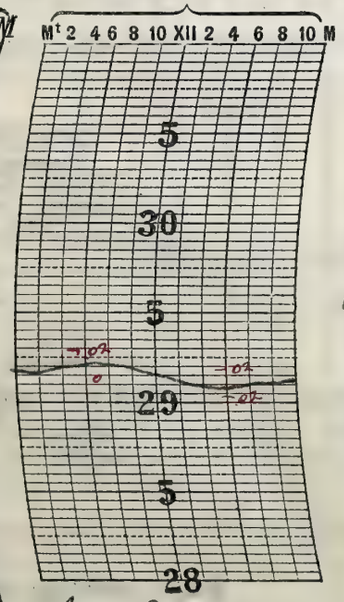
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 90.0 Wet temperature, 69.0
Dew-point, 58 R. humidity, 34 V. pressure, .482
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

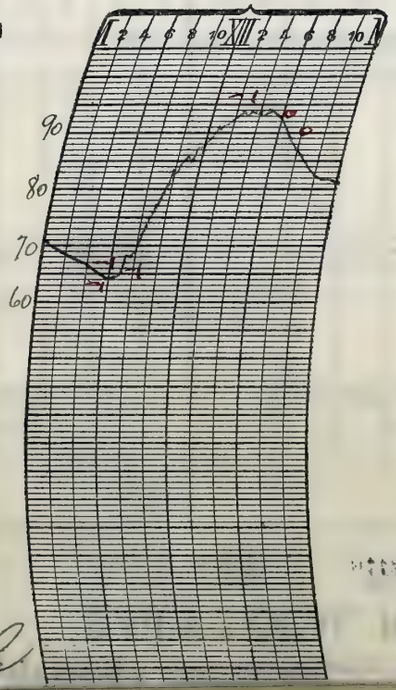
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Decreasing cloudiness after the am. observation, but with light haze in the afternoon. The weather was intensely warm and quite depressing.

Prepared by N. S. Baker.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 26 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	78	76	77	76	76	76	78	81	83	85	87	89
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	←										Clear	→
Sunshine (in tenths of hours)					0.48 0	1.0 0	0.3 0.4	0.6	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	10	10	12	11	14	15	16	14	14	15	16

Sunrise: Time, 4:31 Character, Clear
Moonrise: 9:56 am

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	91	92	91	91	91	90	87	85	83	82	81	80
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	←											→
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.8	0	0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	16	16	17	17	16	14	11	8	10	11	12	9

Sunset: Time, 7:03 Character, Cloudy
Moonset: 6:29 pm

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

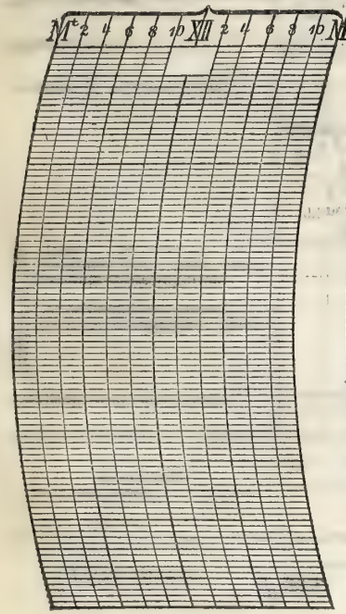
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	76	84	

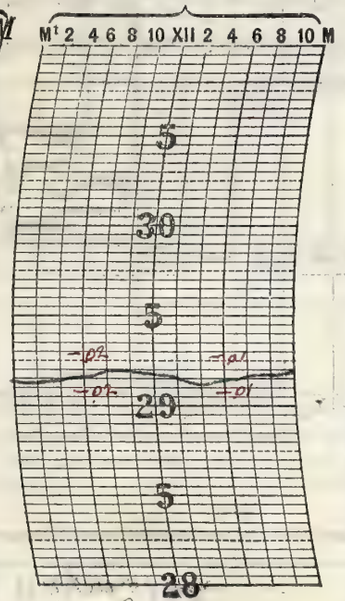
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, New Moon 11:21 am
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.6 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 87
Prevailing wind direction, SW Total wind 313
Average hourly velocity, 13.0 Extreme velocity, 23
Maximum velocity, 22 Direction, SW
Time began, 3:42 p.m.
Reduced barometer, 30.02, 7 a. m. 30.01, 7 p. m.
River gage, 2.1 ft.
Relative humidity, 67 7 a. m. 46 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 p.m.
(Local Mean Time.)
Dry temperature, 89.3 Wet temperature, 73.3
Dew-point, 66 R. humidity, 47 V. pressure, .638
Clouds: Amount, 1; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

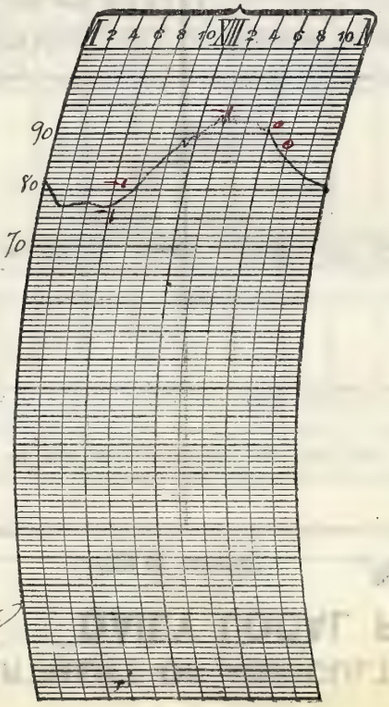
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light haze in the forenoon
Clear and intensely warm
weather

Prepared by N. S. Baker
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 27 1919, 191

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	79	78	78	77	75	76	79	82	84	87	89	90	91	92	90	92	91	91	88	85	84	82	82	81
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Clear							→	← Pt Cloudy								→			
Sunshine (in tenths of hours)					0.47 0	1.0 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.4	0	0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	10	10	10	11	11	13	20	22	23	21	23	21	22	22	20	21	18	12	12	10	12	12	11

Sunrise: Time, 4:32 Character, Clear
Moonrise: 5.55 am
Sunset: Time, 7.03 Character, Cloudy
Moonset: 7.06 PM

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	75	84	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 12.3 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 85
Prevailing wind direction, SW Total wind 376
Average hourly velocity, 15.7 Extreme velocity, 32
Maximum velocity, 27 Direction, S.W.
Time began, 9:10 am
Reduced barometer, 30.10 7 a. m. 29.99 7 p. m.
River gage, 2.1 ft.
Relative humidity, 64 7 a. m. 49 7 p. m.

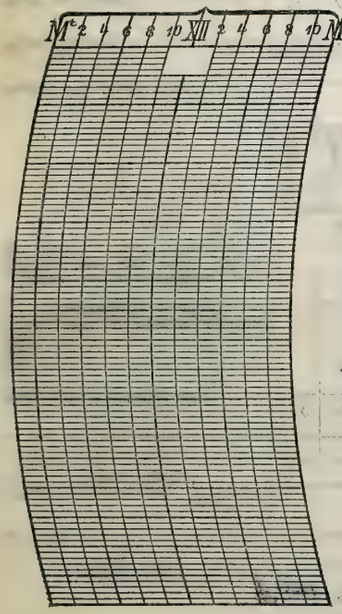
Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

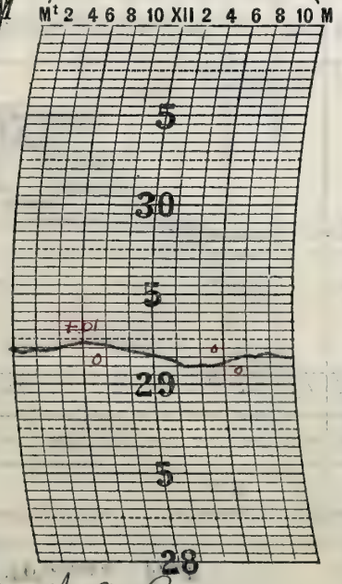
Excessive precipitation, accumulated amounts

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 90.0 Wet temperature, 72.8
Dew-point, 65 R. humidity, 44 V. pressure, 616
Clouds: Amount, 5; Kind, cu; Direction, SW
Velocity of clouds (miles per hour)

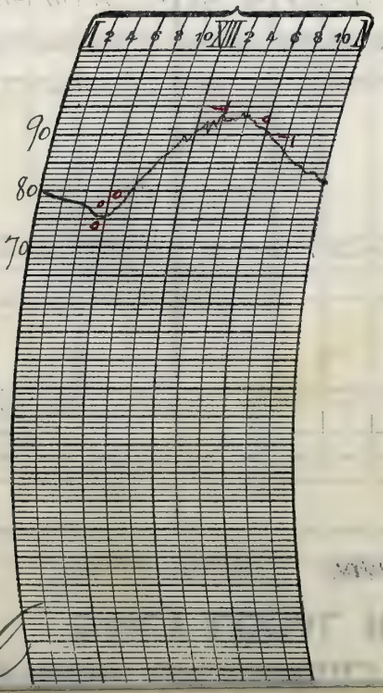
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Forenoon generally clear and afternoon largely partly cloudy. Intensely warm and depressing weather.

Prepared by N. S. Baker
Verified by P. McDonough

FORM NO. 1012—Sect. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 28 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	78	77	76	75	75	78	79	81	82	85	88
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Cloudy				Pt.		Cloudy	
Sunshine (in tenths of hours)					0	0	0.5	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW
Wind movement	13	11	10	11	9	11	12	15	11	13	10	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	90	92	94	94	93	90	88	84	81	79	76	74
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Cloudy				Clear				
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.3	0.9 0.1	0.03 0				
Wind direction	SW	W	W	W	W	NW	NW	NW	W	NW	NW	N
Wind movement	11	12	12	13	13	11	8	5	4	6	9	6

Maximum velocities (exceeding 29 miles) direction and time.

Sunrise: Time, 4:33 Character, Cloudy

Moonrise: 6:13 am

Sunset: Time, 7:02 Character, Clear

Moonset: 7:38 p.m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
94	74	84	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 11.8 Possible sunshine, hours, 14.5

Per cent of possible sunshine, 81

Prevailing wind direction, SW Total wind 245

Average hourly velocity, 10.2 Extreme velocity, 19

Maximum velocity, 18 Direction, W

Time began, 7:08 am

Reduced barometer, 30.07, 7 a. m. 30.01, 7 p. m.

River gage, 2.1 ft.

Relative humidity, 70, 7 a. m. 39, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 pm (Local Mean Time.)

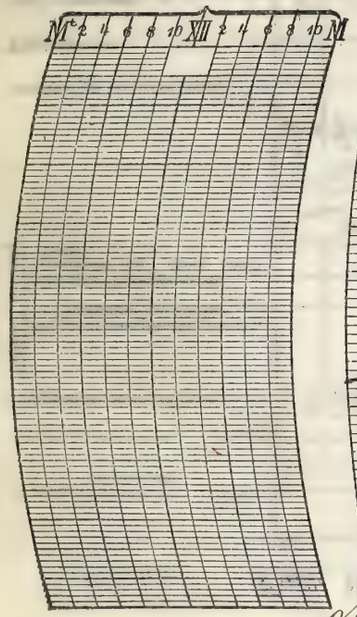
Dry temperature, 89.0 Wet temperature, 76.5

Dew-point, 72 R. humidity, 57 V. pressure, .783

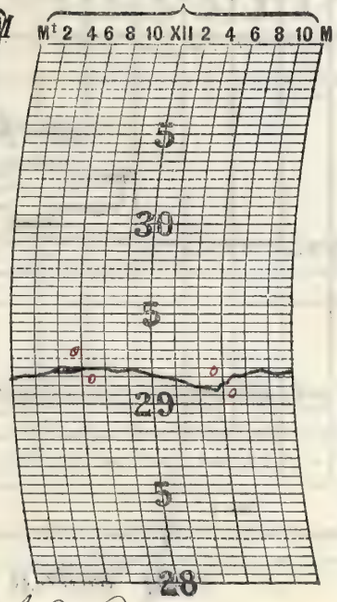
Clouds: Amount, 6; Kind, Cu; Direction, SW

Velocity of clouds (miles per hour)

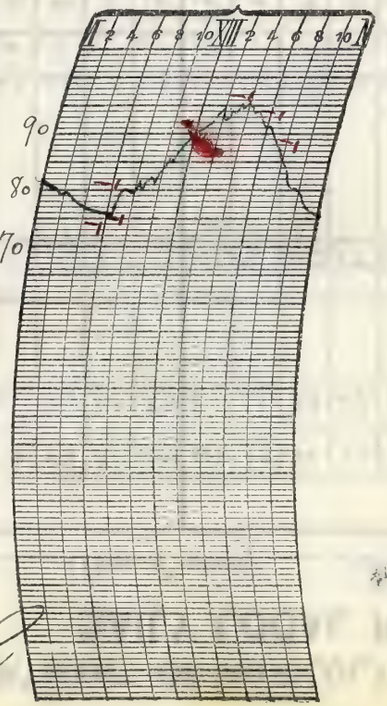
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Partly cloudy, intensely warm and depressing weather.

Prepared by H. S. Baker.

Verified by T. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 29 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	73	72	71	69	69	68	69	72	74	77	80	83	85	86	88	87	86	86	84	80	78	75	71	70
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Cloudy →			P.Cloudy					Clear											
Sunshine (in tenths of hours)					0	0	0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	1.0 0	0.02 0				
Wind direction	N	N	N	N	NE	NE	NE	NE	E	E	NE	NE	NE	N	N	N	N	NE	NE	NE	NE	NE	NE	NE
Wind movement	4	4	3	4	5	5	8	8	6	5	6	5	5	7	7	9	8	6	4	2	2	1	3	5

Sunrise: Time, 4:34 Character, Cloudy
Moonrise: 7:14 am
Sunset: Time, 7:01 Character, Clear
Moonset: 8:38 PM

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

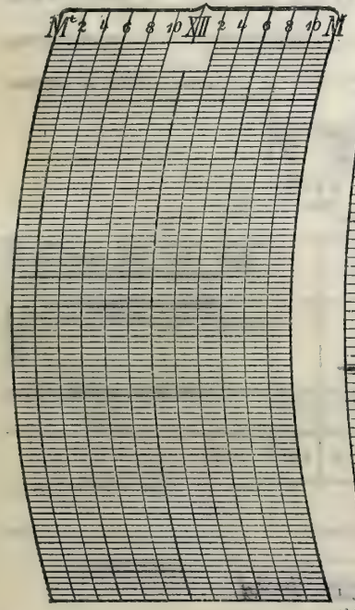
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	67	78	

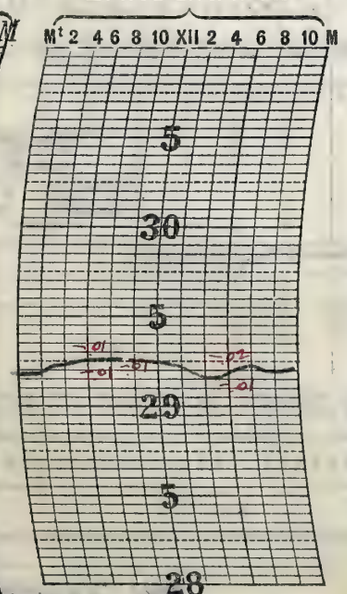
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.7 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 81
Prevailing wind direction, NE Total wind 122
Average hourly velocity, 5.1 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 7:06 am
Reduced barometer, 30.12 7 a. m. 30.07 7 p. m.
River gage, 2.6 ft
Relative humidity, 62 7 a. m. 28 7 p. m

OBSERVATIONS AT ~~12 NOON~~ 12:38 PM (Local Mean Time.)
Dry temperature, 84.0 Wet temperature, 61.0
Dew-point, 44 R. humidity, 25 V. pressure, .287
Clouds: Amount, 2 Kind, Haze Direction, —
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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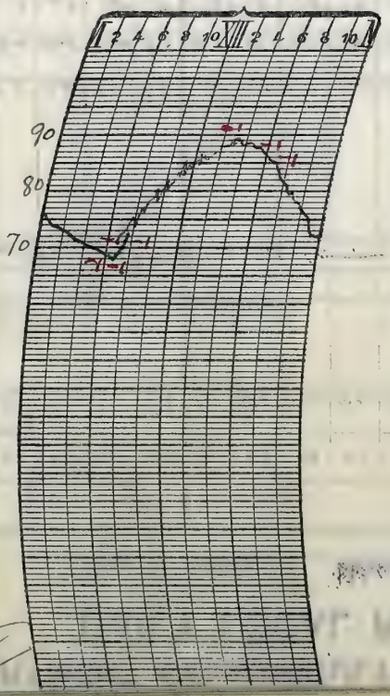


NOTES.

Decreasing cloudiness from the early morning the day being mostly clear, but with light haze. Not quite so warm or depressing.

Prepared by W. S. Baker.
Verified by. F. M. Donough

FORM NO. 1011—REV. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 30 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	68	67	65	64	64	68	74	79	85	87	87
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Clear →											
Sunrise: Time, 4:35 Character, Clear												
Moonrise: 8:42 AM												
Sunshine (in tenths of hours)					0+2 0	1.0 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	NE	E	E	NE	NE	S	SW
Wind movement	2	3	6	7	6	6	5	3	5	4	4	3
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	90	92	93	92	91	90	88	83	82	82	81	80
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt. Cloudy →											
Sunset: Time, 7:00 Character, Cloudy												
Moonset: 8:36 PM												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.6	0	0					
Wind direction	NE	SE	E	SW	SE	S	SE	SE	SE	SE	S	SW
Wind movement	6	4	3	4	3	5	6	4	2	5	9	15
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

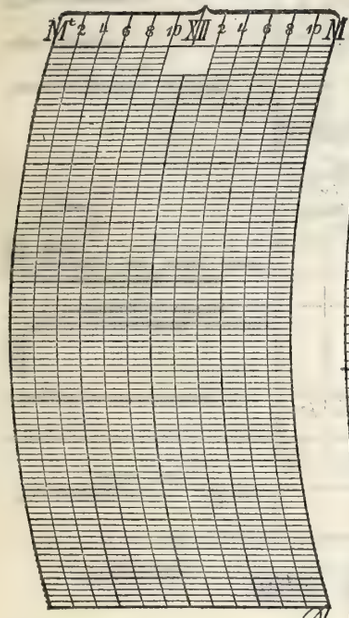
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	64	78	✓

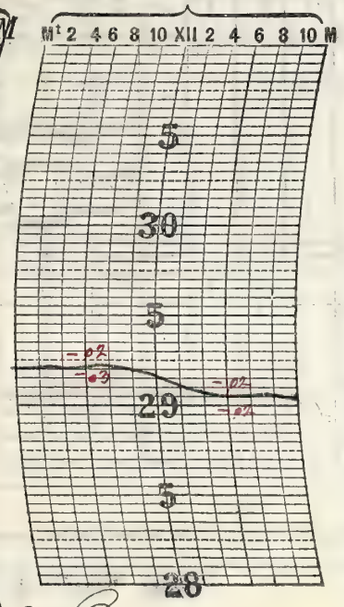
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 12.0 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 83
Prevailing wind direction, NE Total wind 119
Average hourly velocity, 5.0 Extreme velocity, 21
Maximum velocity, 19 Direction, SW.
Time began, 11:28 pm.
Reduced barometer, 30.09, 7 a. m. 29.92, 7 p. m.
River gage, 2.0 ft.
Relative humidity, 67, 7 a. m. 30, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 88.2 Wet temperature, 64.7
Dew-point, 49 R. humidity, 27 V. pressure, .347
Clouds: Amount, 1; Kind, St.; Direction, NE
Velocity of clouds (miles per hour)

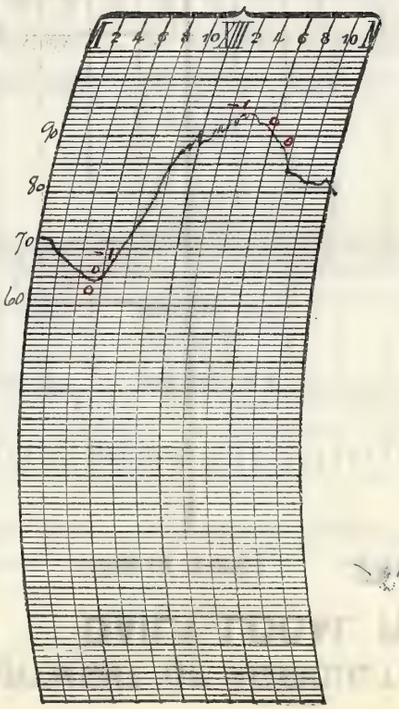
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Partly cloudy, warm, and depressing weather.

Prepared by D. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 31 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	79	75	69	69	70	71	73	75	76	78	77	77
State of weather: Nature of precipitation and time of beginning and ending			RB. 2:00	RE 3:45		RB. 5:40	RE 6:20		RB 8:50	RE 9:10		RB 11:55
Amounts of precipitation			1.14	.26		T	.01		T	T		T
Cloudiness and other conditions	← Cloudy											
Sunshine (in tenths of hours)					0	0	0	1.0	0.5	0.4	0.3	0
Wind direction	SW	SW	W	S	S	SW	SW	SW	SW	SW	W	W
Wind movement	9	10	11	6	9	8	9	10	10	9	9	7

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	76	76	77	76	75	76	76	75	74	73	73	72
State of weather: Nature of precipitation and time of beginning and ending	RE 12:10 RB 12:50	RE 1:40										
Amounts of precipitation	T	.02										
Cloudiness and other conditions	→ Pt. Cloudy →											
Sunshine (in tenths of hours)	0.7	0.2	1.0	0.7	0	0	0					
Wind direction	W	W	W	NW	NW	N	N	N	N	N	N	N
Wind movement	10	11	12	13	11	10	6	4	5	6	5	6

Sunrise: Time, 4:36; Character, Cloudy. Moonrise: 9:24 am

Sunset: Time, 6:59; Character, Cloudy. Moonset: 9:04 p.m.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	69	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 1.41 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, 1.43 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 4.8. Possible sunshine, hours, 14.4
Per cent of possible sunshine, 33
Prevailing wind direction, N-SW. Total wind 206
Average hourly velocity, 8.6. Extreme velocity, 17
Maximum velocity, 16. Direction, W
Time began, 2:34 am.
Reduced barometer, 29.86, 7 a. m. 29.85, 7, p. m.
River gage, 2.4 ft.
Relative humidity, 91, 7 a. m. 78, 7 p. m.

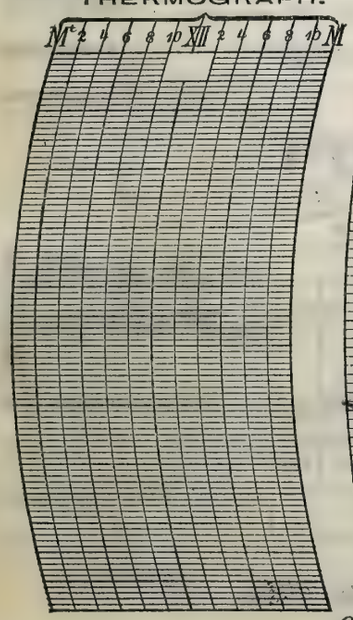
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M. (Local Mean Time.)

Dry temperature, 77.8. Wet temperature, 73.3
Dew-point, 72. R. humidity, 81. V. pressure, 783
Clouds: Amount, 9; Kind, St-Cu; Direction, NW
Velocity of clouds (miles per hour)

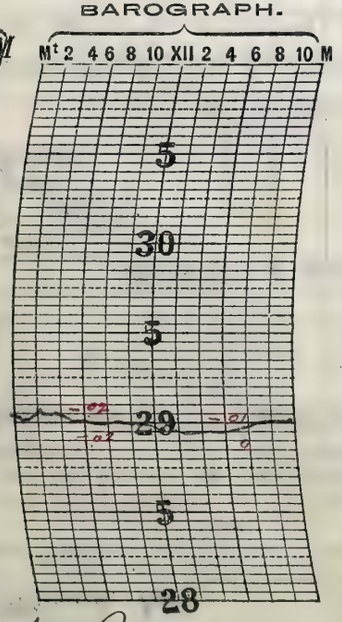
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
2:00a	3:45a	1.40	2:05a	2:55a	.01	.09	.13	.24	.27	.28	.30	.43	.75	1.04	1.13				

Excessive precipitation, accumulated amounts

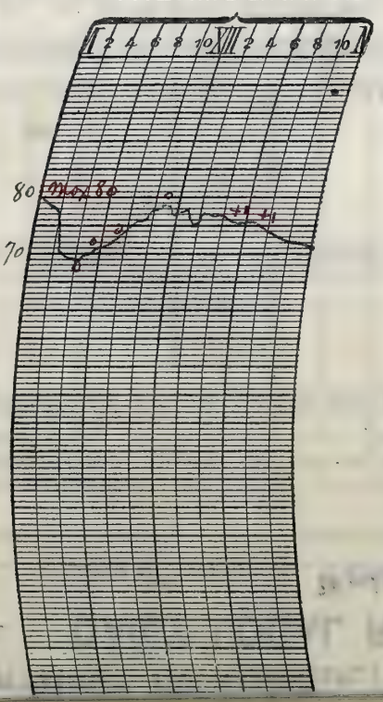
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Generally cloudy, with frequent showers until 1:40 pm; a thunderstorm was in progress from 2 am to 6:20 am, and it was attended by excessive precipitation from 2:05 am until 2:55 am, 1.13 inches having fallen in 50 minutes. The highest temperature during the day was 79°, but the weather was exceptionally muggy and quite depressing.

Prepared by A. S. Baker

Verified by P. M. Donough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 1 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	71	71	70	68	69	69	69	71	72	74	76	77	79	81	79	79	77	74	70	68	66	63	62
State of weather: Nature of precipitation and time of beginning and ending						RB 5:20	RE 6:30																	
Amounts of precipitation						T	T																	
Cloudiness and other conditions	← Cloudy →												← Pt. Cloudy →					← Clear →						
Sunrise: Time, Character	4:37 Cloudy																							
Moonrise	10:24 am																							
Sunset: Time, Character																					6:57 Clear			
Moonset																					9:32 P.M.			
Sunshine (in tenths of hours)					0	0	0	0	0.3	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.3 0.9					
Wind direction	N	N	N	N	N	N	N	N	N	NE	N	NW	NW	NW	N	N	N	N	N	NE	NE	NE	NE	NE
Wind movement	6	6	6	6	6	11	5	4	4	5	5	5	6	9	10	12	10	12	13	16	15	12	8	7
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	62	72	

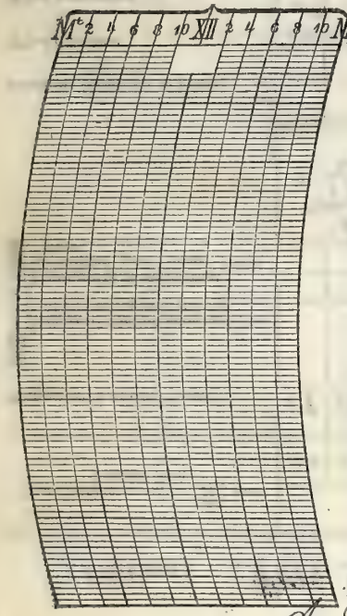
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 9.6 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 67
Prevailing wind direction, N Total wind 199
Average hourly velocity, 8.3 Extreme velocity, 20
Maximum velocity, 19 Direction, N.E.
Time began, 7:52 pm
Reduced barometer, 29.96, 7 a. m. 30.02, 7 p. m.
River gage, 2.0 ft.
Relative humidity, 85, 7 a. m. 53, 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

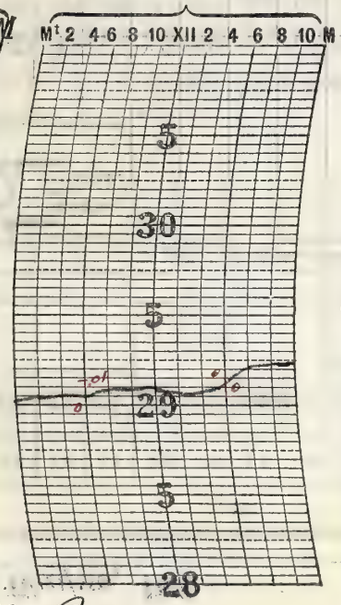
OBSERVATIONS AT ~~12 NOON~~ 12:38 pm (Local Mean Time.)

Dry temperature, 76.8 Wet temperature, 67.8
Dew-point, 63 R. humidity, 61 V. pressure, .575
Clouds: Amount, 6; Kind, Cu; Direction, N.W.
Velocity of clouds (miles per hour)

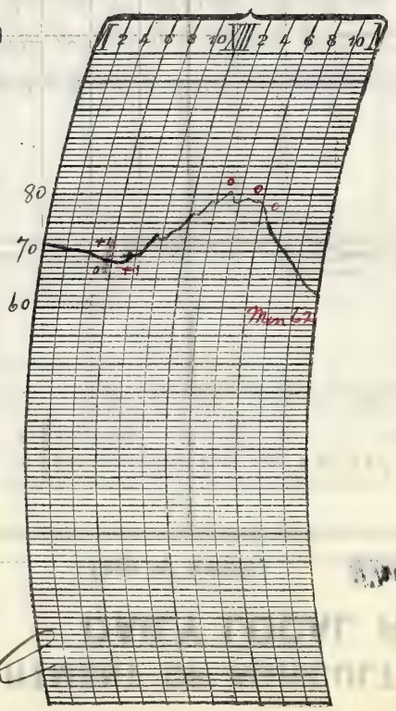
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Decreasing cloudiness from the am. observation with day partly Cloudy and night Clear. Somewhat muggy in the forenoon and early afternoon but the weather was exhilarating in the late afternoon and night. Some light haze in the afternoon and night with dull moonlight in the early night.

Prepared by N. S. Baker
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 2 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	58	57	56	56	57	60	65	68	70	71	73	76	77	78	79	79	77	76	73	71	68	68	66
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions										O	l	a	r				Pt.	Cloudy						
Sunshine (in tenths of hours)					0.37 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0					
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	N	N	NE	NE	NW	W	NW	NW	W	W	W	W	N	NE	NE
Wind movement	5	7	4	3	3	3	2	4	6	4	7	5	5	5	6	6	5	6	4	2	2	4	3	2

Sunrise: Time, 4:38 Character, Clear
Moonrise: ---
Sunset: Time, 6:57 Character, Cloudy
Moonset: 10:03 pm

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

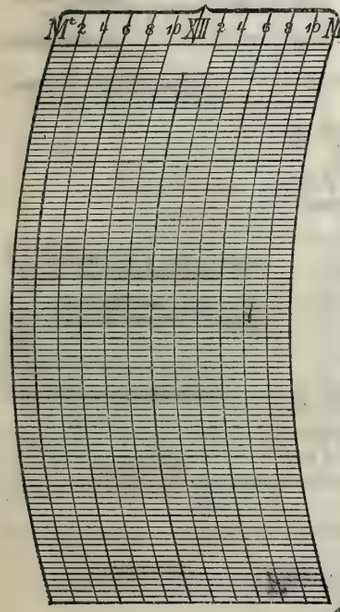
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	56	68	

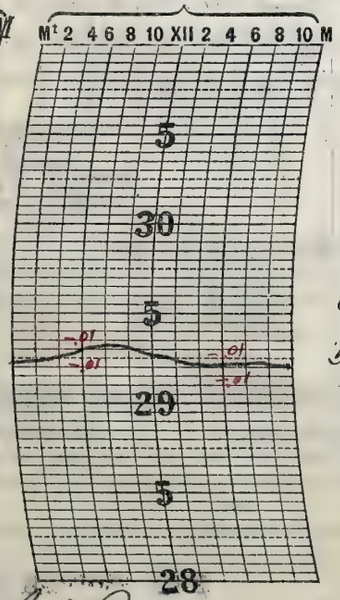
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.0 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 91
Prevailing wind direction, NE Total wind 103
Average hourly velocity, 4.3 Extreme velocity, 9
Maximum velocity, 9 Direction, NW
Time began, 3:50 pm.
Reduced barometer, 30.21 7 a. m. 30.11 7 p. m.
River gage, 2.2 ft.
Relative humidity, 62 7 a. m. 39 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 74.0 Wet temperature, 58.7
Dew-point, 47 R. humidity, 39 V. pressure, .322
Clouds: Amount, few; Kind, cu; Direction, NE
Velocity of clouds (miles per hour)

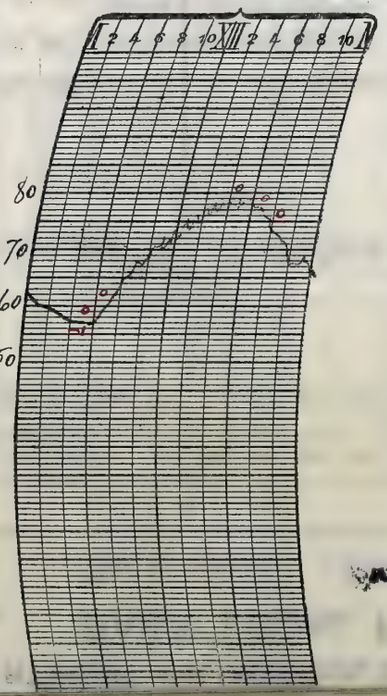
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

While there were some clouds and light haze in the afternoon the weather was mostly clear with pleasant temperature. There was dull moonlight at night.

Prepared by A. S. Baker
Verified by J. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) **Fort Wayne, Ind.**, (Day of week) **Sunday**, (Date) AUG 3 1913, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	62	60	59	58	59	62	68	73	76	78	79
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunrise: Time, Character, 4:39 Clear												
Moonrise: 12:22 pm												
Sunshine (in tenths of hours)					0.5 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	NE	S	SW	SW	SW	SW	SW
Wind movement	2	2	2	1	1	3	4	7	8	10	10	11
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	80	80	80	79	78	78	77 RR	76 RE	75	74	73
State of weather: Nature of precipitation and time of beginning and ending								8:00	8:05			
Amounts of precipitation									T			
Cloudiness and other conditions	Pt. Cloudy					Cloudy						
Sunset: Time, Character, 6:55 Cloudy												
Moonset: 10:36 pm												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.8	0	0	0					
Wind direction	SW	SW	SW	S	S	SW	S	S	S	S	SE	S
Wind movement	10	10	10	10	8	6	4	5	4	4	6	7
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

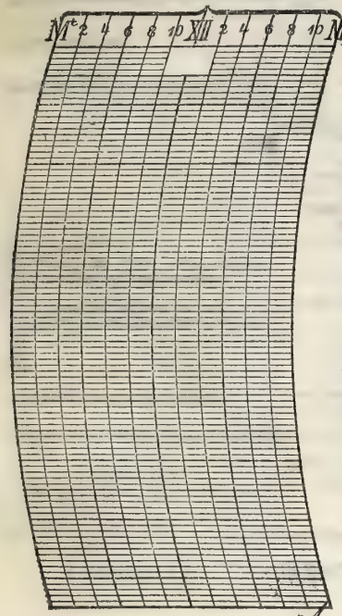
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	58	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase, First Quarter 2:12 pm
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 11.2 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 78
Prevailing wind direction, SW Total wind 145
Average hourly velocity, 6.0 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 10:34 am
Reduced barometer, 30.10, 7 a. m. 29.93, 7 p. m.
River gage, 2.2 ft.
Relative humidity, 72, 7 a. m. 44, 7 p. m.

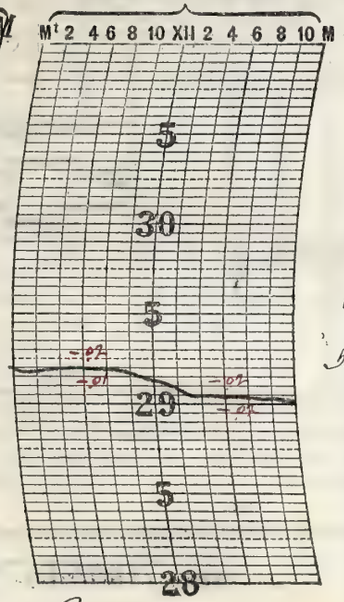
OBSERVATIONS AT ~~12 NOON~~ 12:38 PM
(Local Mean Time.)

Dry temperature, 80.0 Wet temperature, 61.0
Dew-point, 48 R. humidity, 32 V. pressure, .334
Clouds: Amount, 9+; Kind, ~~None~~ Cirrus; Direction, W
Velocity of clouds (miles per hour)

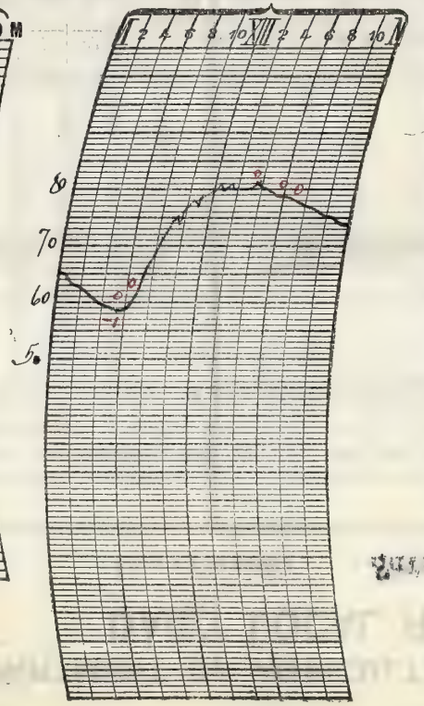
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The forenoon was largely clear and the afternoon partly cloudy to cloudy, with light haze, the night being mostly cloudy. Pleasant temperatures obtained.

Prepared by F. S. Baker.
Verified by M. E. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 4 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	72	69	69	67	67	71	74	79	84	88	91	94	95	95	93	79	75	75	75	76	78	81
State of weather: Nature of precipitation and time of beginning and ending			RB H.N	–	–	RE 1:30												RB 1:35 RE 5:36 RB 5:50	RE 6:10					
Amounts of precipitation			T	.05	.02	.12												T	.01					
Cloudiness and other conditions			Cloudy				Pt. Cldy				Clear						Pt. Cldy		Cldy					

Sunrise: Time, 4:40 Character, Cloudy
Moonrise: 1:19 pm
Sunset: Time, 6:54 Character, Cloudy
Moonset: 11:14 pm

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0	0					
Wind direction	S	S	S	S	S	SE	NE	E	S	S	SW	SW	SW	SW	SW	SW	SW	NE	E	E	SE	SE	SW	SW
Wind movement	5	10	11	12	12	8	6	4	6	6	11	9	10	14	15	18	19	9	6	7	4	4	10	13
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

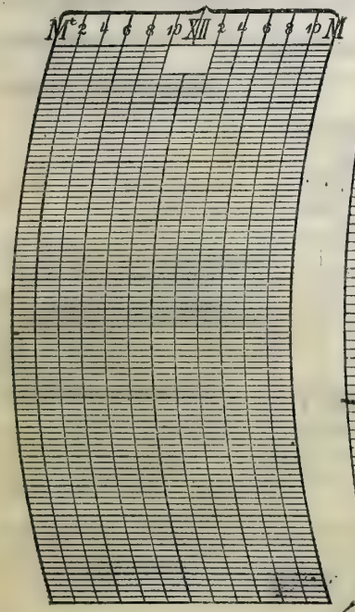
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
95	66	80	

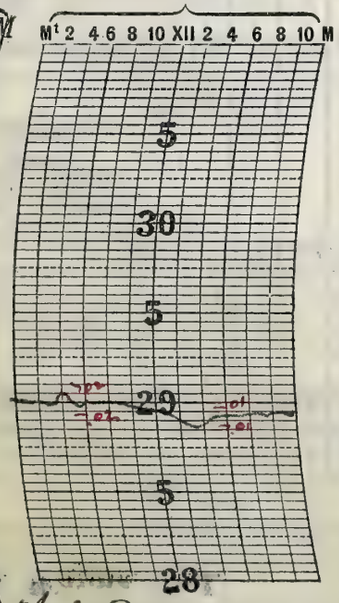
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .19 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .20 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 9.9 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 70
Prevailing wind direction, SW Total wind 229
Average hourly velocity, 9.5 Extreme velocity, 24
Maximum velocity, 23 Direction, SW
Time began, 4:24 pm
Reduced barometer, 29.88, 7 a. m. 29.80, 7 p. m.
River gage, 2.1 ft.
Relative humidity, 85, 7 a. m. 82, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 p. m.
(Local Mean Time.)
Dry temperature, 91.4 Wet temperature, 77.4
Dew-point, 72 R. humidity, 54 V. pressure, .783
Clouds: Amount, Few; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

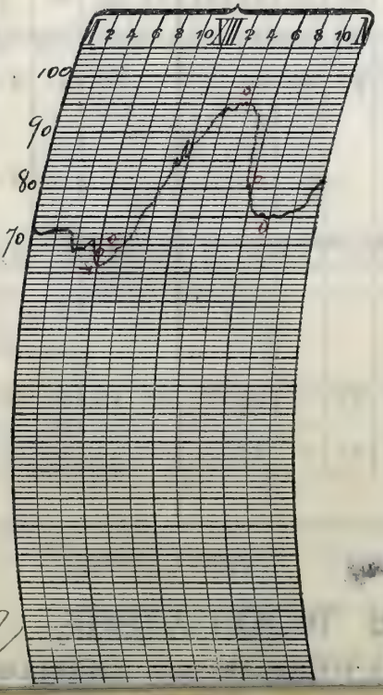
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Showers in the early morning and in the late afternoon, with a thunderstorm from 5:45 pm to 6:20 pm. The day was intensely warm and depressing but the thunderstorm in the evening afforded some relief from the intense heat.

Prepared by F. S. Baker.
Verified by P. McDonough

Form No. 1017—Sec. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 5 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	81	80	79	77	73	77	80	82	84	87	91	88
State of weather: Nature of precipitation and time of beginning and ending												RB 12:14 RE 12:22 RH 12:22 RHNE 12:25 RB 12:25 RE 12:30 RB 12:37
Amounts of precipitation												.27
Cloudiness and other conditions	← Pt. Cloudy →											
Sunrise: Time, Character,	4:41 Clear											
Moonrise:	2:14pm											
Sunshine (in tenths of hours)					0p2 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	0.9
Wind direction	SW	SW	SW	SW	E	S	SW	SW	SW	SW	SW	NW
Wind movement	11	10	8	5	3	5	9	11	12	11	10	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	74	74	74	73	73	72	71	71	70	70	70
State of weather: Nature of precipitation and time of beginning and ending		–	RE 2:25	RB 3:40	–	–	RE bHN					
Amounts of precipitation	.27	.02	.01	.01	.04	T	.01					
Cloudiness and other conditions	Cloudy →											
Sunset: Time, Character,									6:53 Cloudy			
Moonset:									11:56pm			
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	NW	NE	SW	S	SW	NW	NW	NE	W	W	W	W
Wind movement	14	6	4	5	5	5	5	3	4	5	5	7

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
91	70	80	

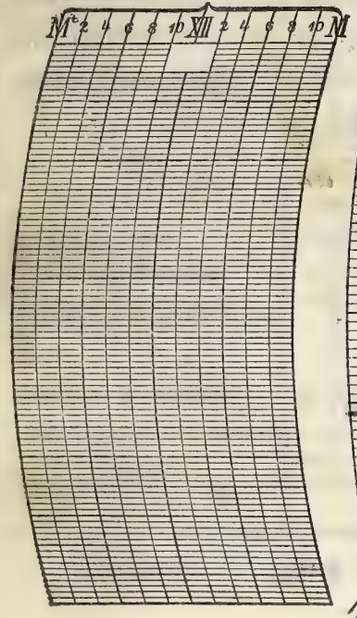
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 36 ins.
Total precipitation, midnight to midnight, 36 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 7.2 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 51
Prevailing wind direction, SW Total wind 171
Average hourly velocity, 7.1 Extreme velocity, 31
Maximum velocity, 27 Direction, NW.
Time began, 12:13pm.
Reduced barometer, 29.85 7 a. m. 29.90 7 p. m.
River gage, 2.0 ft.
Relative humidity, 76 7 a. m. 93 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

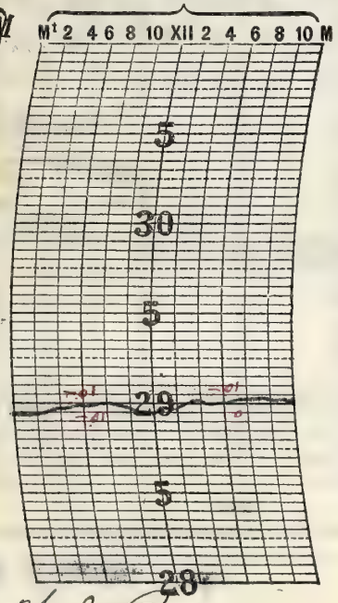
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 78.2 Wet temperature, 76.2
Dew-point, 75 R. humidity, 91 V. pressure, .866
Clouds: Amount, 10; Kind, Nb; Direction, NW
Velocity of clouds (miles per hour)

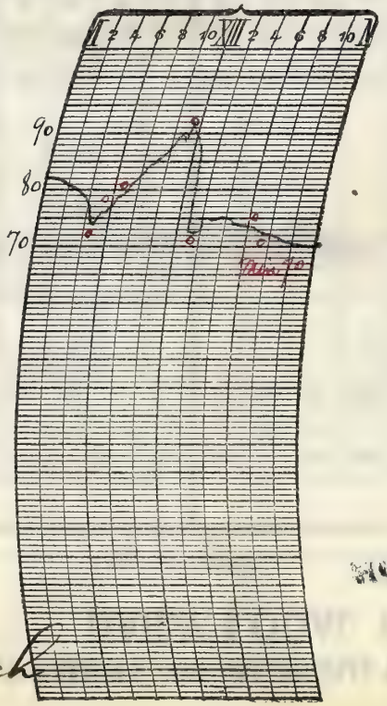
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The forenoon was generally partly cloudy and the afternoon cloudy. Frequent showers occurred between 12:14 pm and 6:45 pm. The forenoon was quite warm, muggy and depressing, and a thunderstorm developed in the west at 12:05 pm. The storm was of marked intensity, and some damage resulted. The last thunder was heard at 2:25 pm. There were three persons killed by lightning, Mr. Charles Mosher, Mr. Hubert L. Reed, and Mr. Joseph Kerg. Three horses were killed by lightning.

Prepared by H. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 6 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	68	67	67	67	69	68	69	71	74	78	81	84	86	85	86	86	85	82	81	80	78	77	76
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Cloudy												Clear		Pt. Cloudy				Cloudy					

Sunrise: Time, 4:42 Character, Cloudy
Moonrise: 3:10 pm

Sunset: Time, 6:52 Character, Cloudy
Moonset: — —

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0	0	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0	0					
Wind direction	W	W	W	W	SW	SW	W	NW	N	NW	NW	N	N	W	N	NW	NW	NW	NW	E	SE	S	S	S
Wind movement	5	5	3	5	5	5	5	5	3	5	3	4	4	4	5	4	4	3	3	5	6	2	3	5
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

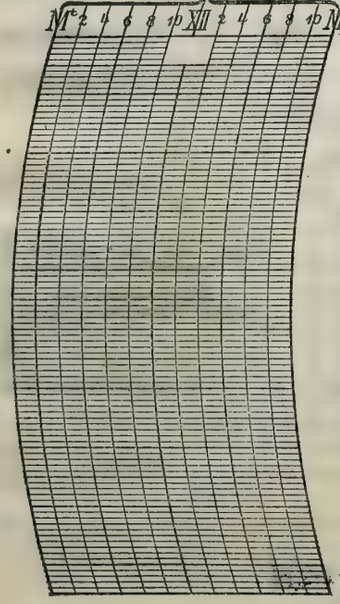
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
87	67	77	

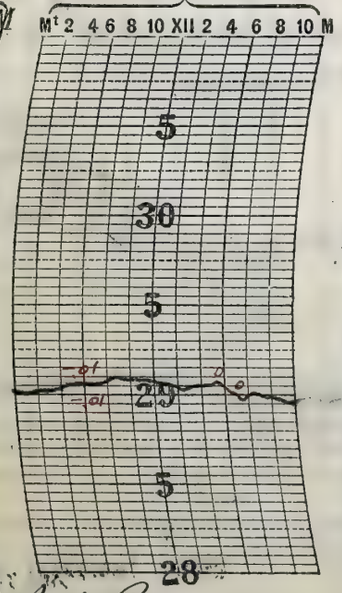
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 7.0 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 49
Prevailing wind direction, NW Total wind 101
Average hourly velocity, 4.2 Extreme velocity, 9
Maximum velocity, 9 Direction, SE
Time began, 7:55 pm
Reduced barometer, 29.95, 7 a. m., 29.90, 7, p. m.
River gage, 2.3 ft.
Relative humidity, 95, 7 a. m. 69, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)
Dry temperature, 83.5 Wet temperature, 72.5
Dew-point, 68 R. humidity, 59 V. pressure, .684
Clouds: Amount, 3; Kind, Cu; Direction, N.W.
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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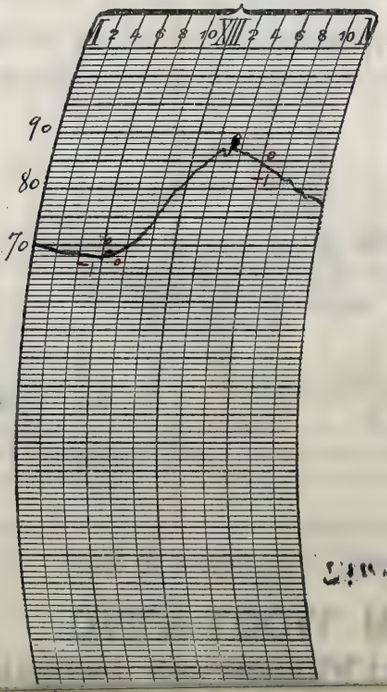


NOTES.

Cloudy, unsettled, and moderately warm weather, with light fog from 6:10 am to 8:40 am

Prepared by J. S. Baker.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 7 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	73	75	75	73	73	74	77	79	81	82	84	86	86	86	83	82	80	77	75	73	72	71	69
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Clear	→	Cloudy	←	Pt.		Cloudy		→	←		Clear			→					
Sunshine (in tenths of hours)					0	0	0	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.2					
Wind direction	S	SW	SW	W	W	W	NW	NW	NW	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	W	W	NW
Wind movement	7	7	11	11	6	6	7	10	11	12	12	12	14	15	15	16	15	15	11	7	7	6	3	6

Sunrise: Time, 4:43; Character, Cloudy. Moonrise: 3:55 pm. Sunset: Time, 6:57; Character, Clear. Moonset: 12:44 am.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

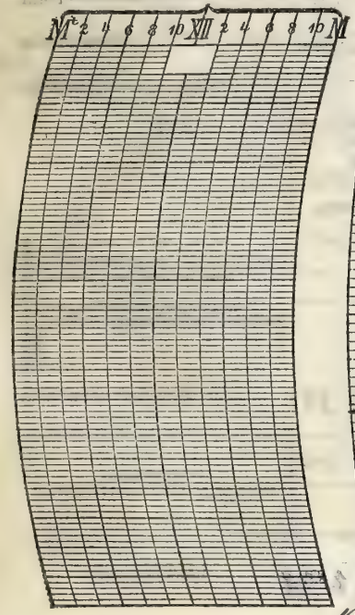
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	69	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.0 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 78
Prevailing wind direction, NW Total wind 242
Average hourly velocity, 10.1 Extreme velocity, 20
Maximum velocity, 18 Direction, NW
Time began, 2:51 pm
Reduced barometer, 29.83, 7 a. m. 29.90, 7 p. m.
River gage, 2.7 ft.
Relative humidity, 78, 7 a. m. 49 7 p. m.

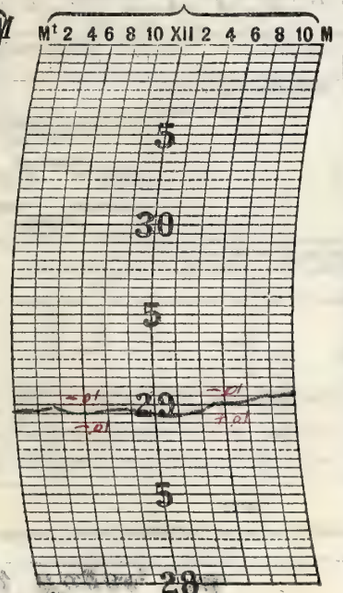
OBSERVATIONS AT ~~12 NOON.~~ 12:38 pm
(Local Mean Time.)

Dry temperature, 84.5 Wet temperature, 70.5
Dew-point, 64 R. humidity, 50 V. pressure, .595
Clouds: Amount, 2 4; Kind, Cirr. St; Direction, W
Velocity of clouds (miles per hour)

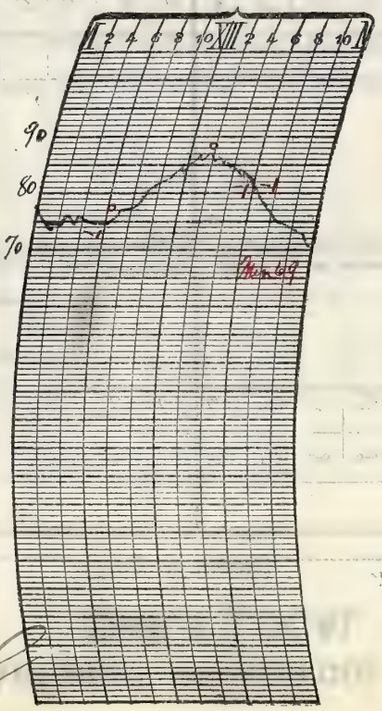
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Early morning and night clear, but day partly cloudy. Moonlight at night. Pleasant temperature.

Prepared by N. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 8 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	68	67	65	64	62	62	62	63	65	67	68	69	70	71	71	70	70	67	63	62	61	60	59
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Clear →		Pt. Cldy →			← Cloudy		←	Pt. Cloudy →						Clear →		Some haze			
	Sunrise: Time, 4:44; Character, Clear. Moonrise: 4:39 pm.																				Sunset: Time, 6:49; Character, Hazy. Moonset: 1:38 am.			
Sunshine (in tenths of hours)					.27 0	.8 0.2	1.0	0.8	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0	0					
Wind direction	NW	NW	NW	N	N	N	N	N	N	NE	NE	NE	NE	NE	NE	NE	N	NE	N	NE	NE	NE	NE	NE
Wind movement	6	7	4	7	8	8	8	9	9	9	8	6	8	7	7	7	6	7	7	7	8	7	4	3
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
71	59	65	

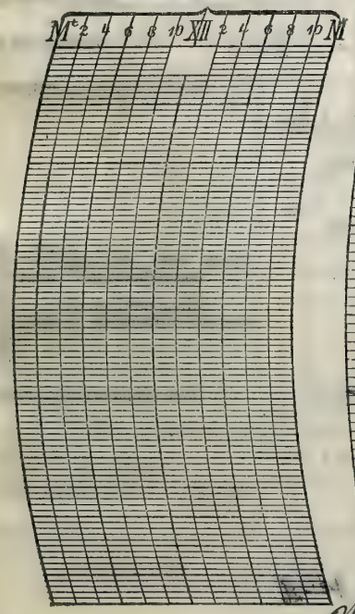
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 11.3 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 80
Prevailing wind direction, NE Total wind 167
Average hourly velocity, 7.0 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 6:44 am
Reduced barometer, 30.06 7 a. m. 30.097 p. m.
River gage, 3.4 ft
Relative humidity, 74 7 a. m. 61 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 ~~NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 69.2 Wet temperature, 59.8
Dew-point, 53 R. humidity, 58 V. pressure, .402
Clouds: Amount, 4 ; Kind, Haze ; Direction, NE
Velocity of clouds (miles per hour)

THERMOGRAPH.



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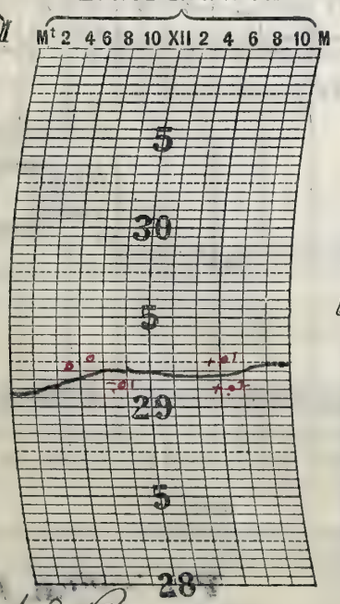

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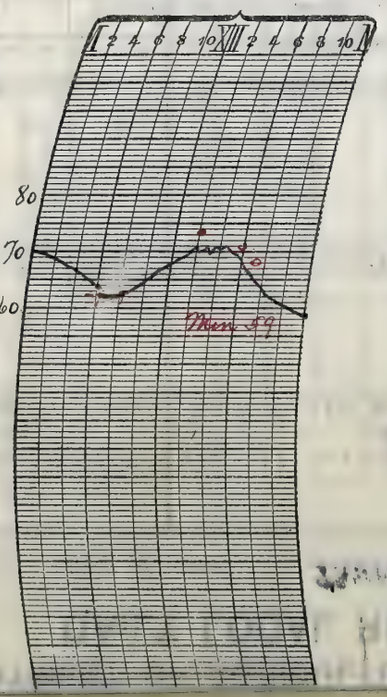


NOTES.

Some cloudiness during the day and there was considerable haze. Light haze prevailed from 9.30 am to 6.20 pm; dense haze from 6.20 pm to 8.30 pm; and light haze continued from 8.30 pm. Dull moonlight obtained, due to hazy condition of the atmosphere. Pleasant and exhilarating temperature obtained.

Prepared by W. S. Baker
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 9 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	56	55	54	54	55	56	64	67	69	72	73
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)					0.27 0	1.0 0	0.8 0.2	1.0	1.0	1.0	0.9	1.0
Wind direction	NE	NE	N	N	N	NE	NE	NE	E	E	NE	NE
Wind movement	2	3	3	3	4	5	7	4	4	4	4	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	73	76	74	74	74	71	66	65	62	60	58
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.7 0.3	0.8 0					
Wind direction	NE	NE	NE	N	N	N	NE	NE	N	NE	N	N
Wind movement	4	6	5	6	6	5	5	5	5	7	3	4

Clear

State of weather.

Sunrise: Time, 4:44 Character, Clear

Moonrise: 5:19 pm.

Sunset: Time, 6:48 Character, Clear

Moonset: 2:36 am

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	54	65	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 1

Actual sunshine, hours, 14.0 Possible sunshine, hours, 14.1

Per cent of possible sunshine, 99

Prevailing wind direction, N.E. Total wind 109

Average hourly velocity, 4.5 Extreme velocity, 9

Maximum velocity, 9 Direction, N.

Time began, 9:01 pm.

Reduced barometer, 30.21, 7 a. m. 30.18, 7 p. m.

River gage, 3.1 ft.

Relative humidity, 83, 7 a. m. 41, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:30 (Local Mean Time.)

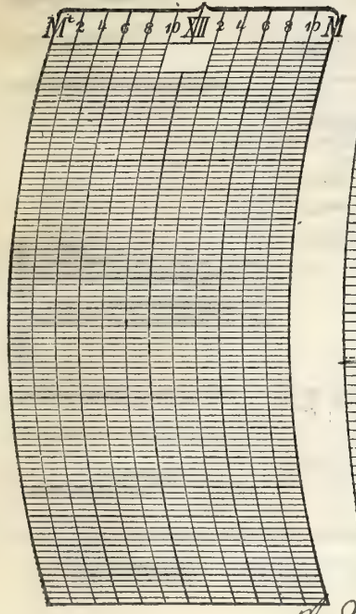
Dry temperature, 72.6 Wet temperature, 58.1

Dew-point, 47 R. humidity, 41 V. pressure, .322

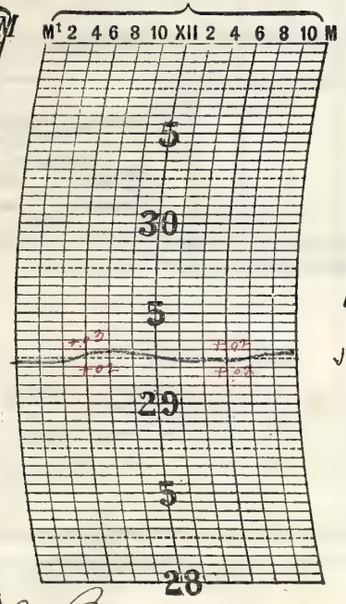
Clouds: Amount, 3 Kind, Cir Haze; Direction, NE

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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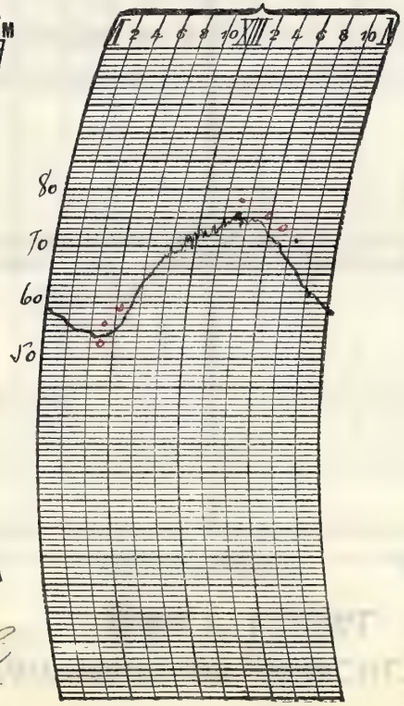


NOTES.

Clear, pleasant weather with light breeze. Hazy moonlight at night.
Light dew in the early morning.

Prepared by N. S. Baker.

Verified by C. M. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Sunday, (Date) AUG 10 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	56	55	55	54	56	58	66	68	71	72	73
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Lt. Haze Clear											
Sunshine (in tenths of hours)					0.25 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0
Wind direction	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E
Wind movement	5	5	6	5	3	4	2	5	5	5	5	5

Sunrise: Time, 4:45 Character, Clear. Moonrise: 5:55 pm.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	75	76	75	75	74	72	69	67	65	64	63
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.4	0.78 0					
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	E	SE	SE	E
Wind movement	5	6	6	6	6	6	5	5	7	5	3	4

Sunset: Time, 6:47 Character, Clear. Moonset: 3:38 am

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

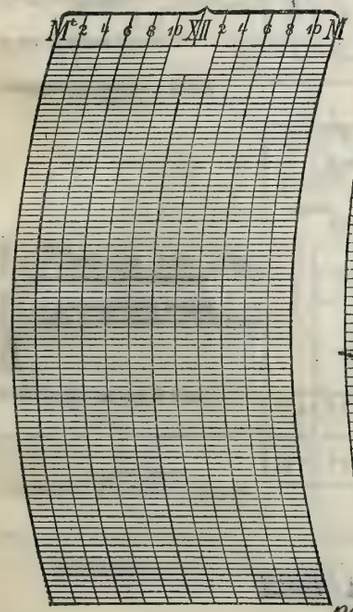
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	54	65	

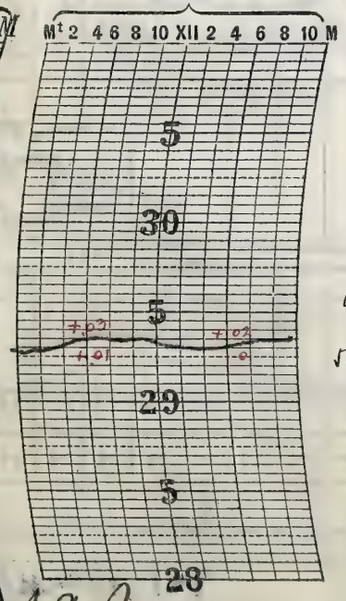
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 14.0 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind 119
Average hourly velocity, 5.0 Extreme velocity, 9
Maximum velocity, 9 Direction, NE
Time began, 1:23 pm.
Reduced barometer, 30.27, 7 a. m. 30.23, 7 p. m.
River gage, 2.9 ft.
Relative humidity, 81, 7 a. m. 43, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M. (Local Mean Time.)
Dry temperature, 73.5 Wet temperature, 59.0
Dew-point, 48 R. humidity, 42 V. pressure, .334
Clouds: Amount, Few; Kind, Haze; Direction, NE
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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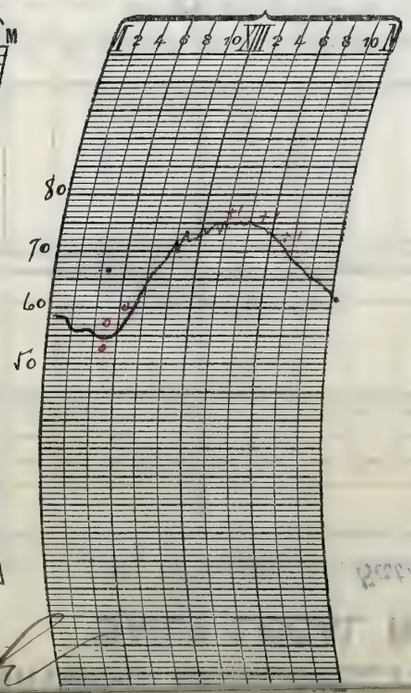


NOTES.

Light dew deposit in the early morning.
Clear and pleasant weather with light haze. Hazy moon at night.

Prepared by N. S. Baker.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) August 11, 1919

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	60	58	56	56	56	59	63	68	71	72	74	76	77	78	77	76	76	74	70	69	67	66	66
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Clear												Pt. Cloudy		→ Cloudy					
Sunshine (in tenths of hours)					0.22 0	1.0 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.4	0	0					
Wind direction	SE	SE	SE	SE	SE	NE	NE	NE	NE	E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E
Wind movement	2	2	1	1	2	2	3	4	6	8	9	8	7	8	7	8	6	5	5	6	5	6	7	6

Sunrise: Time, 4:47; Character, Clear. Moonrise: 6:28 pm.

Sunset: Time, 6:45; Character, Cloudy. Moonset: 4:41 am.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	56	67	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy. Moon phase, Full moon 1:40 am

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 11.5 Possible sunshine, hours, 14.0

Per cent of possible sunshine, 82

Prevailing wind direction, NE Total wind 124

Average hourly velocity, 5.2 Extreme velocity, 11

Maximum velocity, 11 Direction, NE

Time began, 10:43 am

Reduced barometer, 30.29 7 a. m. 30.16 7 p. m.

River gage, 2.6 ft

Relative humidity, 70 7 a. m. 44 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 PM
(Local Mean Time.)

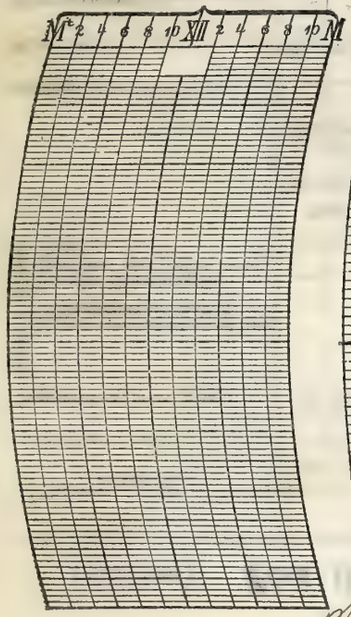
Dry temperature, 75.0 Wet temperature, 57.8

Dew-point, 45 R. humidity, 34 V. pressure, .298

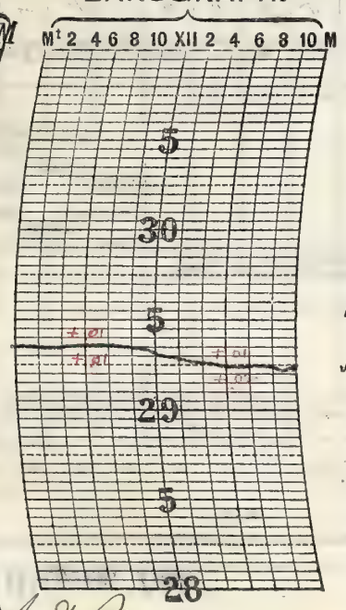
Clouds: Amount, 2; Kind, Cu St; Direction, W

Velocity of clouds (miles per hour)

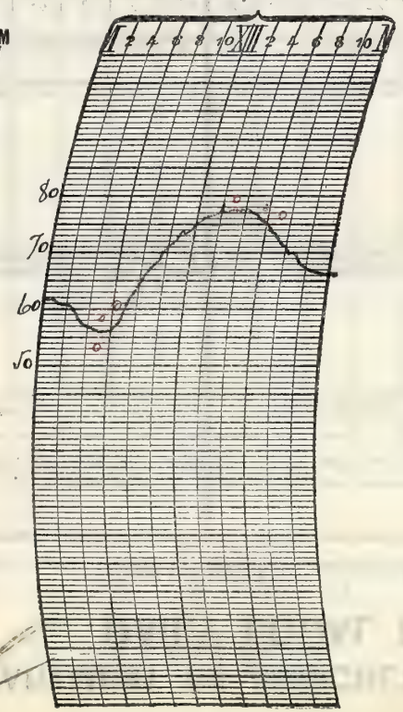
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light dew in the early morning. Increasing cloudiness with light haze during the day, the afternoon being partly cloudy and the night cloudy, with hazy moonlight through the rifts in the clouds. Pleasant and exhilarating temperature.

Prepared by A. S. Baker.

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 12 1919, 191

Time (local standard). 90° mer. normal time

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	65	64	63	62	63	64	71	74	77	78	80
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)					0.20 0	1.0 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	N	N	NE	NE	NE	NE	E
Wind movement	2	4	4	4	4	6	5	5	5	6	7	4
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	82	82	83	82	81	81	78	74	72	70	68	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.8	0	0					
Wind direction	NE	N	N	NE	NE	NE	NE	NE	NE	E	E	E
Wind movement	5	5	5	6	5	3	4	4	5	6	5	5
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 4:48 Character, Clear
Moonrise: 6:59 pm

Sunset: Time, 6:44 Character, Cloudy
Moonset: 5:50 am

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	62	72	—

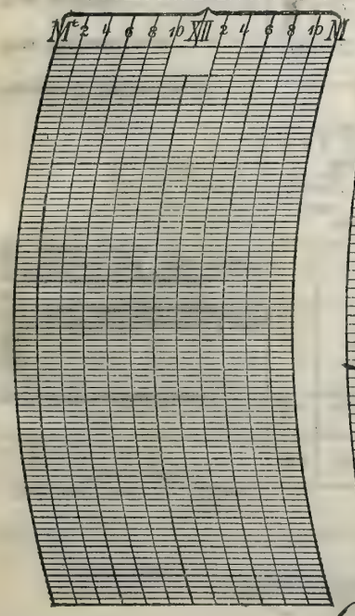
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.0 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 86
Prevailing wind direction, NE Total wind 114
Average hourly velocity, 48 Extreme velocity, 8
Maximum velocity, 8 Direction, NE
Time began, 9:54 am.
Reduced barometer, 30.14 7 a. m. 29.98 7 p. m.
River gage, 2.4 ft.
Relative humidity, 75 7 a. m. 48 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

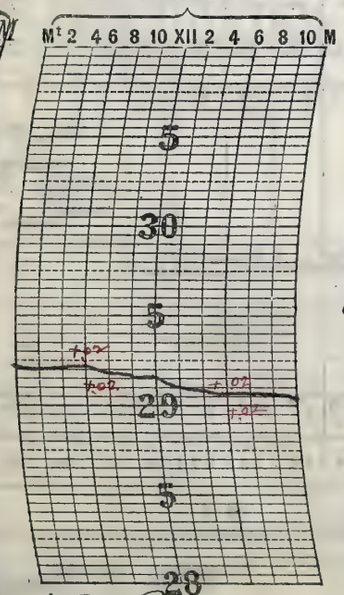
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 79.7 Wet temperature, 63.2
Dew-point, 53 R. humidity, 40 (cw) V. pressure, 4.02 (NE)
Clouds: Amount, 7; Kind, High; Direction, —
Velocity of clouds (miles per hour)

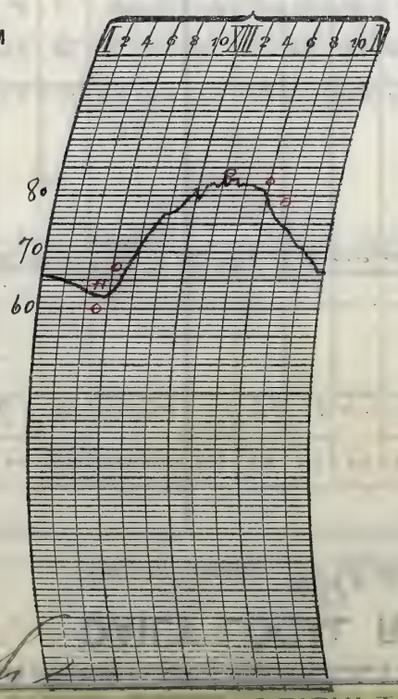
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and pleasant weather. Light haze during the day and night, with a hazy moon at night.

Prepared by W. S. Baker
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 13 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	64	63	61	62	65	67	70	70	71	74	76
Nature of precipitation and time of beginning and ending										RB 9:04	—	RE 11:05
Amounts of precipitation										T	T	T
Cloudiness and other conditions					Pt. Cloudy					8	10	

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	77	75	77	76	75	74	72	72	71	69	67
Nature of precipitation and time of beginning and ending	RB 12:22	RE 1:10	RB 2:30 RE 2:45									
Amounts of precipitation	.02	T	.08									
Cloudiness and other conditions			Cloudy									

Sunrise: Time, 4:49 Character, Cloudy

Moonrise: 7:30pm

Sunset: Time, 6:43 Character, Cloudy

Moonset: 6:57am

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0.7
Wind direction	NE	E	E	NE	E	E	E	S	SW	SW	SW	S
Wind movement	3	5	4	2	4	2	2	4	7	8	7	9
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0	0.4	0.1	0	0.8	0	0					
Wind direction	S	S	S	S	S	S	S	SW	SW	NW	NW	NW
Wind movement	7	8	9	9	12	10	12	12	5	4	2	4
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

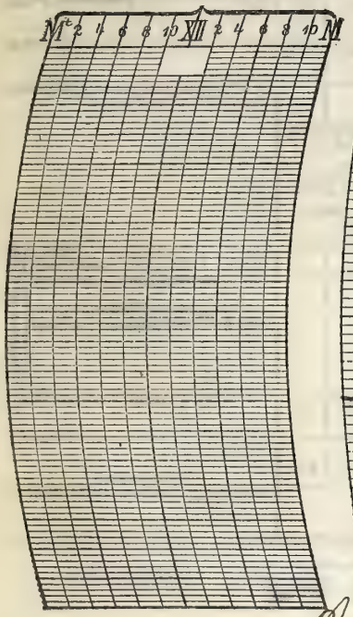
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
77	61	69	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .05 ins.
Total precipitation, midnight to midnight, .05 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.0 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 14
Prevailing wind direction, S Total wind 151
Average hourly velocity, 6.3 Extreme velocity, 18
Maximum velocity, 16 Direction, S
Time began, 4:58 P.M.
Reduced barometer, 29.92 7 a. m. 29.82 7 p. m.
River gage, 2.3 ft.
Relative humidity, 81 7 a. m. 77 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 77.0 Wet temperature, 68.4
Dew-point, 64 R. humidity, 65 V. pressure, .595
Clouds: Amount, 9; Kind, St & Cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



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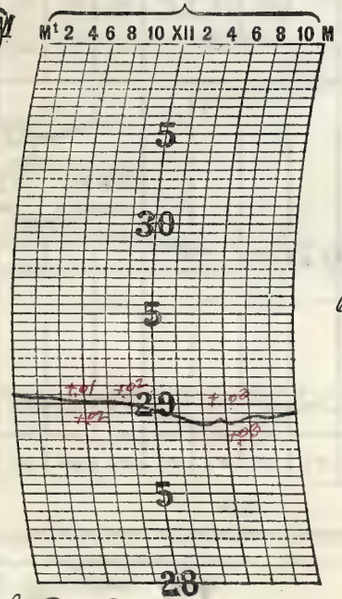
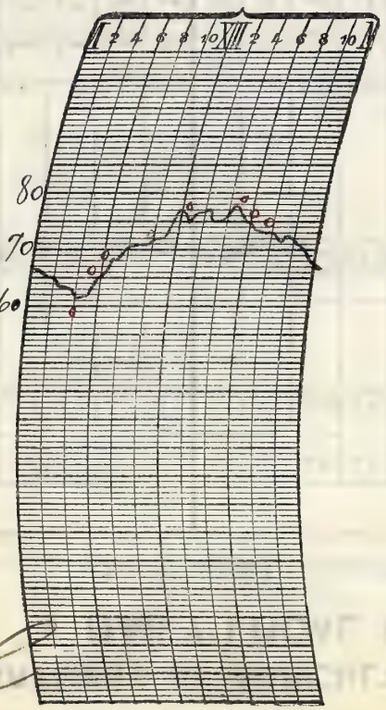


THERMOGRAPH.



NOTES.

Light dew in the early morning. Central office called for a ten-am Special Observation. Cloudy and threatening with showers during mid-day hours. A thunderstorm developed in the west at 6:18 P.M.; it moved from southwest to northeast; and ended at 6:50 P.M. Moderate temperatures observed. The sky was moderately hazy until about 10 A.M.

Prepared by N. S. Bakers

Verified by P. McGinnis

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 14 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	65	64	62	62	64	67	75	78	82	85	87
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					←			Clear				→
Sunshine (in tenths of hours)					0.17 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	W	W	W	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	3	2	4	4	5	6	9	11	12	13	16	15
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	88	89	90	89	88	87	84	80	78	76	74	72
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	←	Partly				Clear						→
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.9	0.4 0.5	0.4 0					
Wind direction	W	W	W	W	W	W	W	W	W	W	SW	SW
Wind movement	18	19	19	18	15	13	8	7	6	4	3	4
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 4:50 Character, Clear
Moonrise: 8:02 pm

Sunset: Time, 6:41 Character, Cloudy
Moonset: 8:05 am

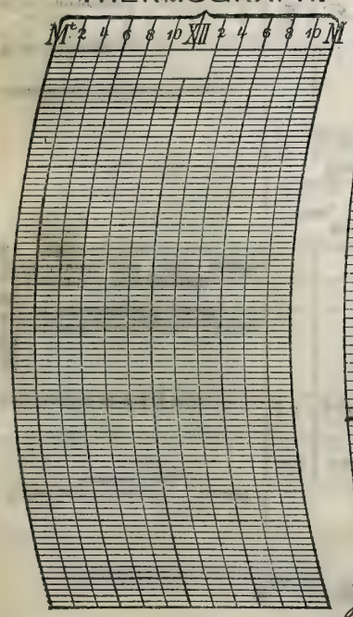
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	62	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.4 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 97
Prevailing wind direction, W Total wind 234
Average hourly velocity, 9.8 Extreme velocity, 25
Maximum velocity, 23 Direction, SW.
Time began, 1:39 pm.
Reduced barometer, 29.92 7 a. m. 29.88 7 p. m.
River gage, 2.2
Relative humidity, 82 7 a. m. 42 7 p. m.

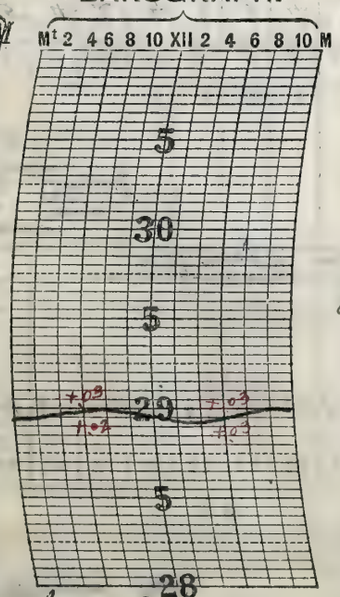
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P. M.
(Local Mean Time.)
Dry temperature, 87.0 Wet temperature, 66.0
Dew-point, 54 R. humidity, 32 V. pressure, .417
Clouds: Amount, 4; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

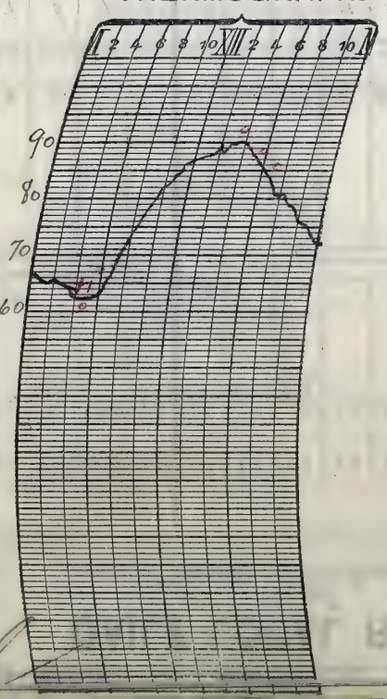
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



o from eye obs.

NOTES.

Heavy dew in the early morning. Clear, warm, weather.

Prepared by W. S. Baker

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 15 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	69	69	68	66	67	69	78	82	87	86	87
State of weather: Nature of precipitation and time of beginning and ending									RB 8:N RE 8:18			
Amounts of precipitation									T			
Cloudiness and other conditions	← Pt. Cloudy											
Sunrise: Time, Character,	4:57 Cloudy											
Moonrise:	8:35 pm											
Sunshine (in tenths of hours)					0	0	0.2	0.5	0.8	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W
Wind movement	5	4	4	8	6	6	6	7	9	13	16	14
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	88	90	91	90	89	88	85	81	79	78	78	77
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	→ Cloudy ← Pt. Cloudy											
Sunset: Time, Character,									6:40 Cloudy			
Moonset:									9:14 am			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.8	0.2	0					
Wind direction	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	8	11	13	13	10	7	6	8	10	9	8
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

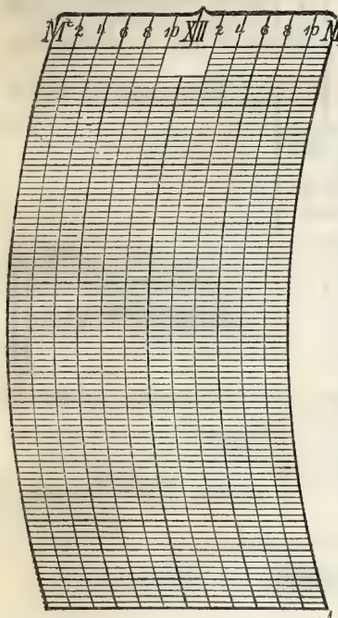
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
91	66	78	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.5 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 69
Prevailing wind direction, SW Total wind 214
Average hourly velocity, 8.9 Extreme velocity, 22
Maximum velocity, 20 Direction, W
Time began, 11:22 am.
Reduced barometer, 29.99 7 a. m. 29.88 7 p. m.
River gage, 2.2 ft.
Relative humidity, 76 7 a. m. 37 7 p. m.

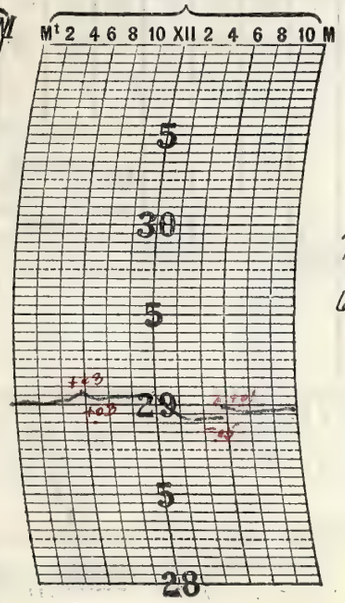
OBSERVATIONS AT ~~12 NOON.~~ 12:38 PM
(Local Mean Time.)

Dry temperature, 87.8 Wet temperature, 66.8
Dew-point, 55 R. humidity, 33 V. pressure, .432
Clouds: Amount, 1; Kind, St; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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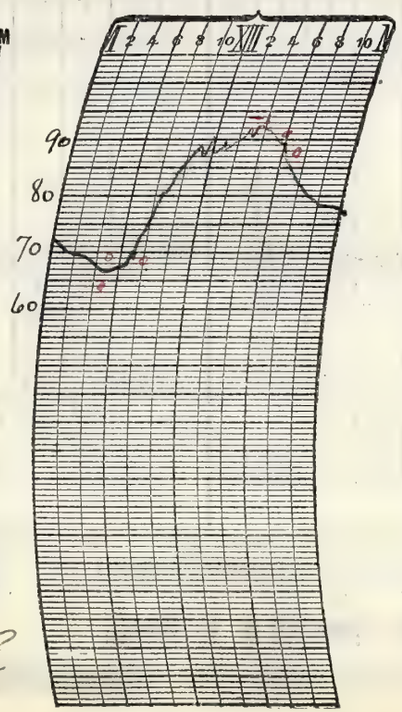


NOTES.

The weather was warm and mostly partly cloudy during the day.

Prepared by H. S. Barker.
Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 16 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	73	73	73	71	71	66	68	62	62	62	63
State of weather: Nature of precipitation and time of beginning and ending							RB 6:20 RE 6:55		RB 8:00	—	RE 10:55	
Amounts of precipitation							.03		.32	.16	.07	
Cloudiness and other conditions	← Cloudy →											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0.5
Wind direction	SW	W	SW	SW	SW	NW	NW	N	NW	N	E	E
Wind movement	6	4	3	5	8	13	12	9	11	5	6	4

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	73	76	78	79	77	75	73	73	72	70	68
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Pt. Cloudy →				← Clear →							
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.2	0					
Wind direction	S	SW	SW	SW	SW	SW	SW	S	S	SW	SW	SW
Wind movement	5	8	9	9	9	7	8	9	8	11	12	11

Sunrise: Time, 4:52 Character, Cloudy
Moonrise: 9:11 pm

Sunset: Time, 6:39 Character, Cloudy
Moonset: 10:26 am

Maximum velocities (exceeding 29 miles) direction and time.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	62	70	

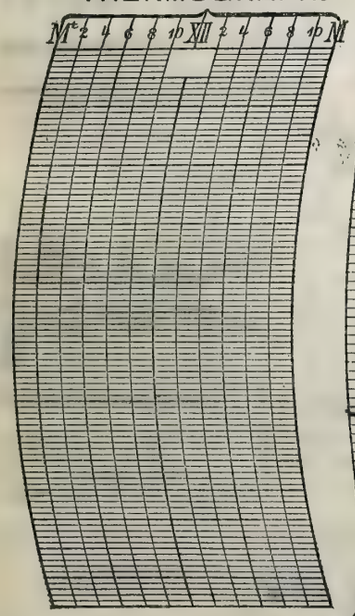
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., .55 ins.
Total precipitation, midnight to midnight, .58 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 5.7 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 41
Prevailing wind direction, SW Total wind 192
Average hourly velocity, 8.0 Extreme velocity, 17
Maximum velocity, 16 Direction, W
Time began, 8:04 am
Reduced barometer, 29.86 7 a. m. 29.81 7 p. m.
River gage, 2.1 ft. 6
Relative humidity, 97 7 a. m. 68 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

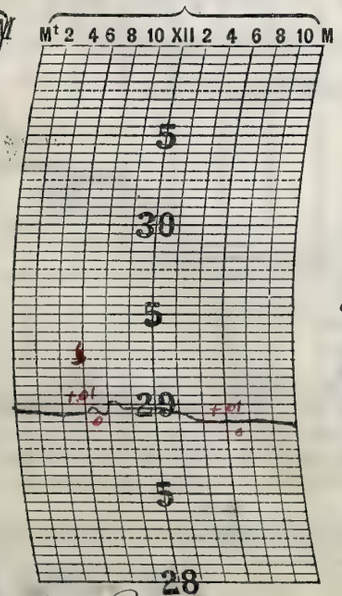
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 69.5 Wet temperature, 65.5
Dew-point, 64 R. humidity, 81 V. pressure, .595
Clouds: Amount, 7; Kind, St. Cu; Direction, S.W.
Velocity of clouds (miles per hour)

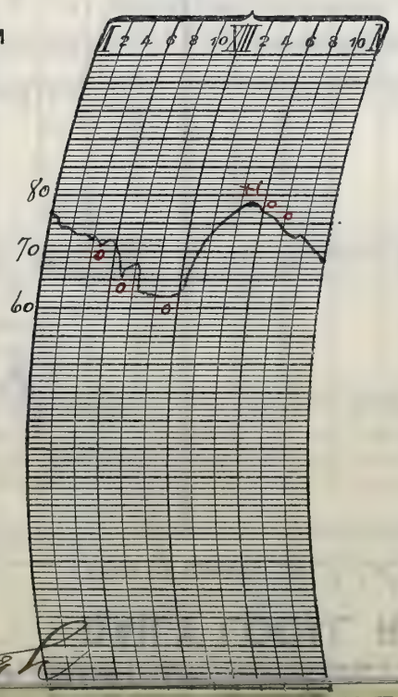
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Generally cloudy in the forenoon, with rain from 6:20 am to 6:55 am and from 8 am to 10:55 am. Intermittent thunder occurred from 8:02 am till 10 am. The storm moved from the northwest to southeast and was rather mild in character. The afternoon was partly cloudy to clear, but the late night was cloudy, with vivid flashes of lightning on the western horizon. Moderate temperatures obtained.

Prepared by N. S. Baker
Verified by P. McSorley

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 17 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	67	67	66	65	66	66	67	68	74	75	77	78	78	80	79	67	70	70	68	67	67	66	64
State of weather: Nature of precipitation and time of beginning and ending																	RB 4:10	RE 5:15		RB 7:50	RE 8:05			
Amounts of precipitation																	.11	.01		T	T			
Cloudiness and other conditions					Cloudy →								Cloudy →					Cloudy						
Sunshine (in tenths of hours)					0	0	0	0	0.3	0.9	1.0	1.0	0.8	0.9	0.9	0.9	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	SW	W	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	10	11	11	10	9	10	10	10	11	10	12	12	17	16	17	14	6	5	7	3	4	7	7
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time 4:53, Character Cloudy. Moonrise: 9:53 pm.

Sunset: Time 6:37, Character Cloudy. Moonset: ---

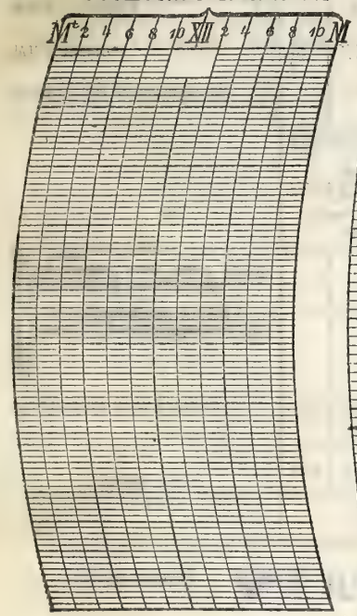
Excessive precipitation, accumulated amounts	Total duration From	Total duration To	Total amount of precipitation	Excessive rate Began	Excessive rate Ended	Amount before excessive began	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	64	72.1	

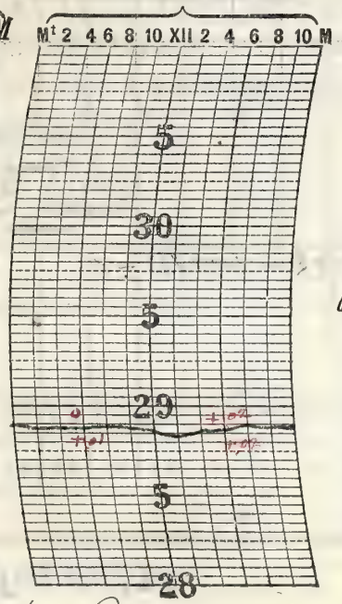
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .12 ins.
Total precipitation, midnight to midnight, .12 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 6.1 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 49
Prevailing wind direction, SW. Total wind 238
Average hourly velocity, 9.9 Extreme velocity, 25
Maximum velocity, 22 Direction, SW.
Time began, 1:48 pm.
Reduced barometer, 29.78, 7 a. m. 29.78, 7 p. m.
River gage, 2.2 ft.
Relative humidity, 78, 7 a. m. 79, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M. (Local Mean Time.)
Dry temperature, 78.0 Wet temperature, 66.5
Dew-point, 60 R. humidity, 55 V. pressure, .517
Clouds: Amount, 7; Kind, Cu; Direction, SW.
Velocity of clouds (miles per hour)

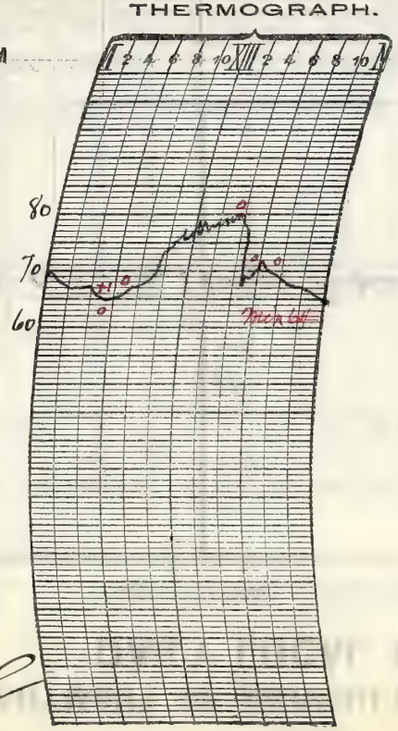
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Generally partly cloudy weather, with showers in the afternoon and night. A mild thunderstorm occurred between 8 p.m. and 8:05 p.m. Pleasant temperatures obtained during the day.

Prepared by W. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 18 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	63	62	61	62	64	67	69	73	74	75
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				1	Clear			7	Pt. Cloudy			1
Sunshine (in tenths of hours)					0.10 0	1.0 0	0.5 0.5	0.8	1.0	0.9	0.9	0.9
Wind direction	SW	W	W	SW	SW	SW	W	NW	NW	NW	NW	W
Wind movement	7	6	7	7	7	6	5	6	7	10	11	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	76	77	76	74	73	71	69	68	66	66	65
State of weather: Nature of precipitation and time of beginning and ending	RB 12:38 RE 12:57											
Amounts of precipitation	.04											
Cloudiness and other conditions	1	Cloudy			Pt. Cloudy		1	Clear			1	
Sunshine (in tenths of hours)	0.5	0.5	0.8	0.9	0.9	0.1	0					
Wind direction	W	W	W	NW	NW	NW	NW	NW	W	W	W	W
Wind movement	13	7	7	15	14	12	8	7	5	6	7	6

Sunrise: Time, 4:54; Character, Clear. Moonrise: 10:44 pm

Sunset: Time, 6:36; Character, Cloudy. Moonset: 12:44 pm

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	61	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Pt. Cloudy Moon phase, Last Quarter 9:15 am
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 10.3 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 75
Prevailing wind direction, W Total wind 197
Average hourly velocity, 8.2 Extreme velocity, 24
Maximum velocity, 22 Direction, NW
Time began, 12:36 pm
Reduced barometer, 29.85, 7 a. m. 29.87, 7 p. m.
River gage, 2.1 ft.
Relative humidity, 86, 7 a. m. 67, 7 p. m.

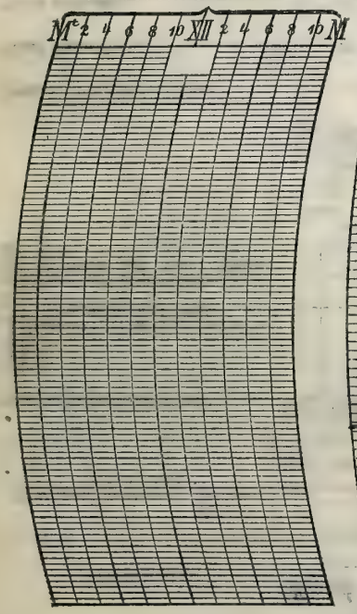
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

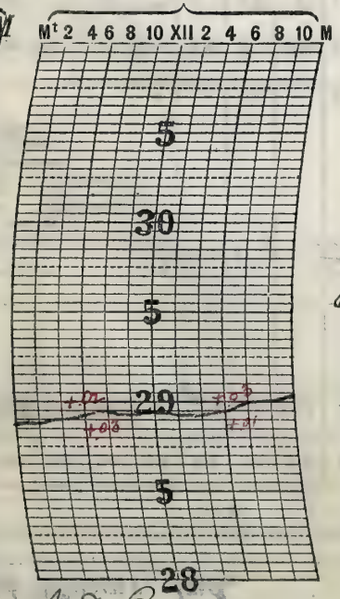
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M. (Local Mean Time.)

Dry temperature, 75.4 Wet temperature, 64.5
Dew-point, 59 R. humidity, 55 V. pressure, .499
Clouds: Amount, 8; Kind, Strat; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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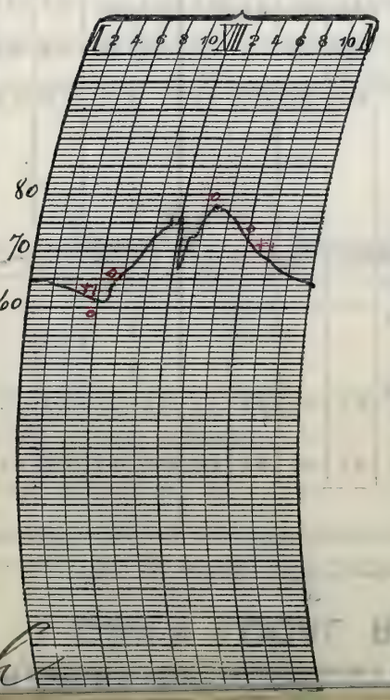


NOTES.

Generally partly cloudy weather with mild temperatures; night clear and a shower occurred between 12:33 pm. and 12:57 pm.

Prepared by A. S. Baker

Verified by F. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 19 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	64	63	62	61	63	65	70	72	74	75	78	79	80	82	81	80	79	77	73	72	70	68	66
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Pt. Cloudy												→ ← Clear							
Sunshine (in tenths of hours)					0	0.1	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	0.9	0.8	0.8 0.2	0.5 0					
Wind direction	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W	NW	NW	NW	NW	NW	NW	0	NW	NW
Wind movement	8	8	9	6	7	5	5	6	7	9	9	9	8	8	6	2	5	4	1	1	1	0	1	1
Maximum velocities (exceeding 20 miles) direction and time																								

Sunrise: Time, 4:55 Character, Cloudy
Moonrise: 11:35 pm

Sunset: Time, 6:34 Character, Clear
Moonset: 1:48 pm

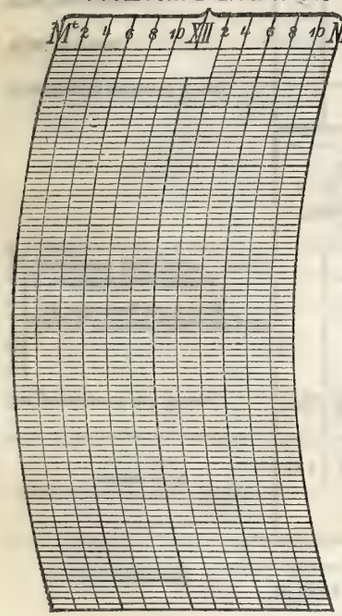
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	61	72	

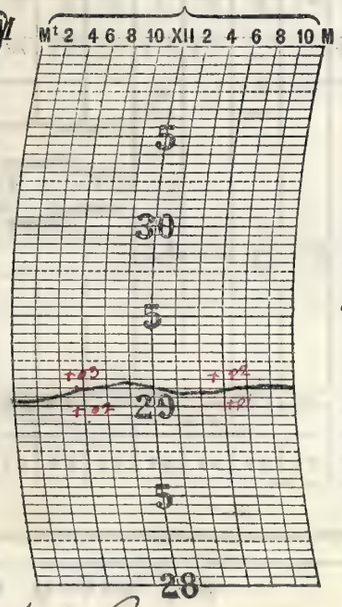
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.3 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 90
Prevailing wind direction, NW Total wind 126
Average hourly velocity, 5.2 Extreme velocity, 12
Maximum velocity, 12 Direction, NW
Time began, 11:11 am
Reduced barometer, 30.02 7 a. m. 30.01 7 p. m.
River gage, 2.1 ft.
Relative humidity, 84 7 a. m. 46 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 78.2 Wet temperature, 62.2
Dew-point, 52 R. humidity, 40 V. pressure, .387
Clouds: Amount, 5; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

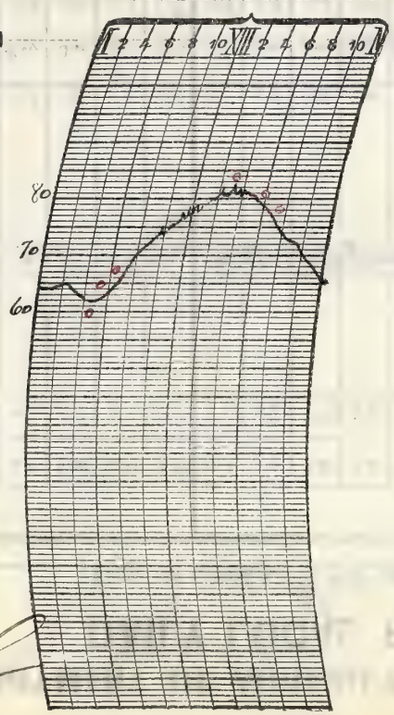
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy dew deposit in the early morning.
The weather during the day was partly cloudy to clear and pleasant temperature prevailed.

Prepared by A. S. Baker
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) August 20, 1919

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	65	65	65	64	64	67	74	79	82	83	85
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					← Clear							
Sunrise: Time, 4:56 Character, Clear												
Moonrise: ---												
Sunshine (in tenths of hours)					0.07 0	1.0 0	0.4 0.6	1.0	0.9	1.0	0.9	1.0
Wind direction	W	W	SW	SW	SW	SW	S	SW	SW	SW	SW	SW
Wind movement	2	2	2	2	1	2	2	5	5	4	11	13
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	86	84	83	81	80	80	78	76	73	72	70	70
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt Cloudy				← Cloudy →							
Sunset: Time, 6:33 Character, Cloudy												
Moonset: 2:48 pm												
Sunshine (in tenths of hours)	1.0	0.9	0.2	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	S	S	SW	SW	S	S
Wind movement	14	15	15	14	10	8	6	9	15	11	13	15
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	63	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy. Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 9.0 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 66
Prevailing wind direction, SW Total wind 196
Average hourly velocity, 8.2 Extreme velocity, 24
Maximum velocity, 22 Direction, SW.
Time began, 8:30 p.m.
Reduced barometer, 30.04 7 a. m. 29.91 7 p. m.
River gage, 2.1 ft.
Relative humidity, 70. 7 a. m. 57. 7 p. m.

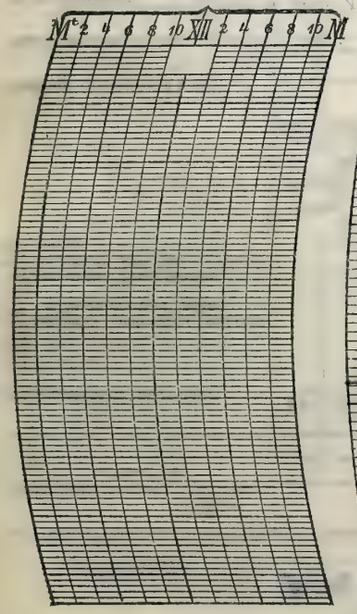
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

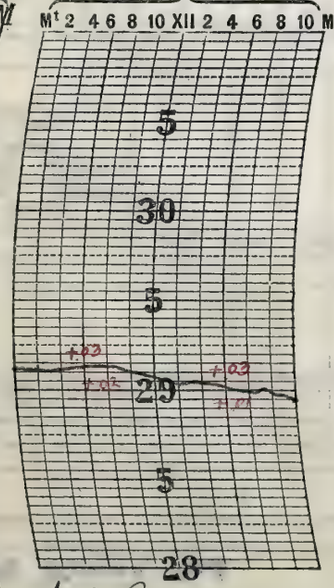
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 85.0 Wet temperature, 65.5
Dew-point, 54 R. humidity, 34 V. pressure, .417
Clouds: Amount, 2/2; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

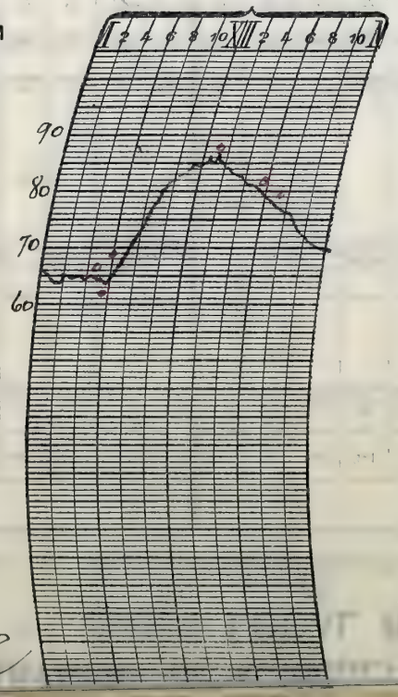
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Forenoon generally clear, afternoon partly cloudy, and night cloudy. Moderate temperatures prevailed.

Prepared by H. S. Baker

Verified by P. McDonough

FORM NO. 1012—REV. 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Thursday, (Date) August 21, 1919

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	68	68	67	66	66	67	70	73	76	78	79	80	81	81	81	81	80	76	74	72	69	67	66
State of weather: Nature of precipitation and time of beginning and ending	RB					RE																		
	R.N					✓.05																		
Amounts of precipitation	.01	.01	T	T	.17	T																		
Cloudiness and other conditions	← Cloudy →						← Pt. Cloudy →						← Clear →											
Sunshine (in tenths of hours)					0	0	0	0.2	0.9	1.0	1.0	0.9	1.0	0.9	0.9	0.4	0.6	0.4 (0.5)	0.2 (0.52)					
Wind direction	S	S	SW	SW	SW	SW	SW	W	W	W	W	W	NW	NW	NW	W	W	W	SW	SW	W	W	W	SW
Wind movement	18	16	18	14	15	14	14	13	14	14	15	15	15	15	13	9	8	7	8	8	7	6	6	7
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time 4:57, Character Cloudy. Moonrise: 12:36 am

Sunset: Time 6:31, Character Clear. Moonset: 3:39 pm

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

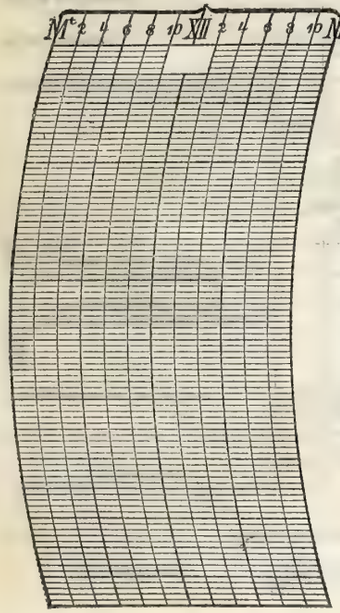
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	66	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .25 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .25 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 9.2 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 68
Prevailing wind direction, W Total wind 289
Average hourly velocity, 12.0 Extreme velocity, 23
Maximum velocity, 22 Direction, S
Time began, 12:44 am
Reduced barometer, 29.81 7 a. m. 29.84 7 p. m.
River gage, 2.2 ft.
Relative humidity, 89 7 a. m. 43 7 p. m.

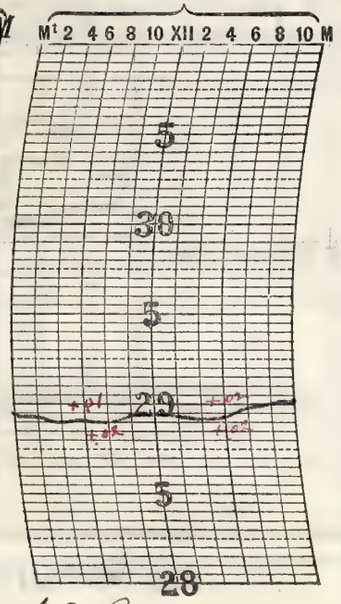
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M. (Local Mean Time.)

Dry temperature, 78.4 Wet temperature, 62.0
Dew-point, 51 R. humidity, 39 V. pressure, .373
Clouds: Amount, 5; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

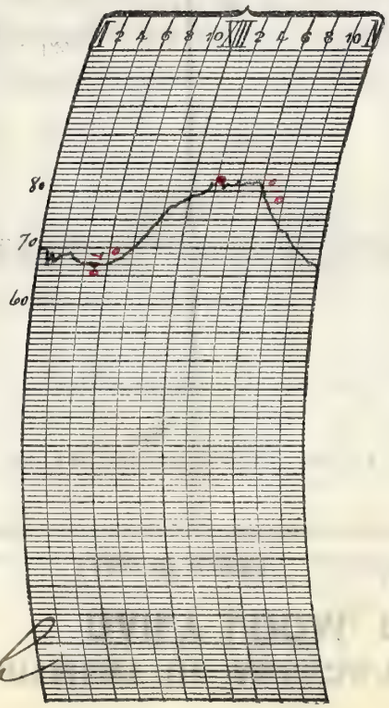
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cloudy in the early morning with light rain, partly cloudy during the middle hours but clear in the late afternoon and nights. Pleasant temperatures obtained.

Prepared by H. S. Baker

Verified by T. M. Donnaghy

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 22 1913, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	64	64	64	63	63	65	70	74	81	84	86
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt. Cloudy		Cloudy		Pt. Cloudy		Clear	
Sunshine (in tenths of hours)					0	0	0	0.2	0.9	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW
Wind movement	7	7	6	9	8	5	7	8	12	14	16	17

Sunrise: Time, 4:58 Character, Cloudy
Moonrise: 1:42 am

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	89	90	91	89	88	87	83	80	80	79	77	75
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt. Cloudy			Clear				
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.8	0.6	0.1	0					
Wind direction	SW	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	18	18	16	15	16	14	9	10	10	10	9	10

Sunset: Time, 6:30 Character, Cloudy
Moonset: 4:24 pm

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts

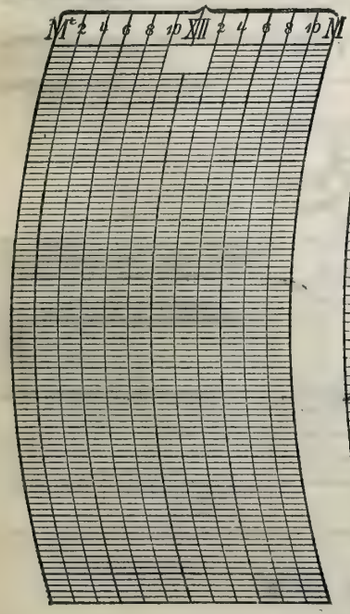
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
91	63	77	

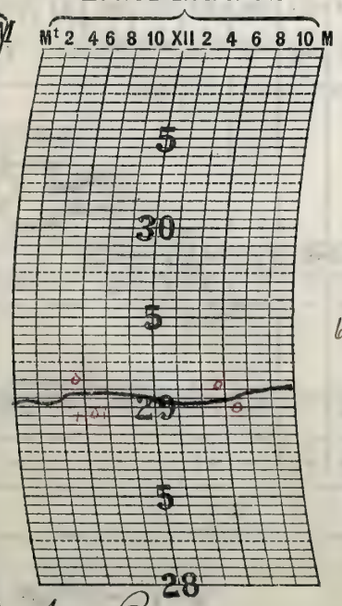
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 8.6 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 64
Prevailing wind direction, SW Total wind 271
Average hourly velocity, 11.3 Extreme velocity, 24
Maximum velocity, 22 Direction, W
Time began, 1:05 pm
Reduced barometer, 29.98, 7 a. m. 29.93, 7 p. m.
River gage, 2.1 ft.
Relative humidity, 65 7 a. m. 50 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 87.0 Wet temperature, 68.0
Dew-point, 58 R. humidity, 38 V. pressure, .482
Clouds: Amount, 2; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

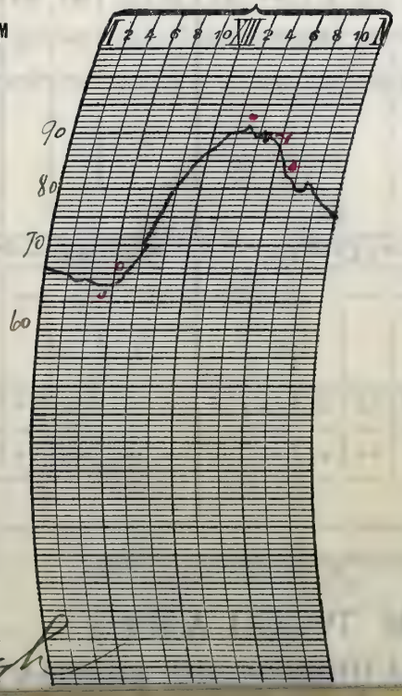
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Some cloudiness and quite warm during the day and night. Flashes of lightning were observed in the west after 7.30 p.m.

Prepared by N S Baker.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 23 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	71	70	69	69	70	71	74	77	80	83	86	88	89	88	88	86	85	83	81	78	77	75	74
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Clear →												← Pt Cloudy →				← Clear →							
Sunrise: Time, 4:59; Character, Clear																					Sunset: Time, 6:28; Character, Clear			
Moonrise: 2:49 am.																					Moonset: 5:03 pm			
Sunshine (in tenths of hours)					0.0 2	1.0 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.9 0.1	0.4 0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	12	10	11	8	7	9	11	12	12	12	12	14	16	17	19	16	16	13	10	11	9	10	11	12
Maximum velocities (exceeding 29 miles) direction and time																								

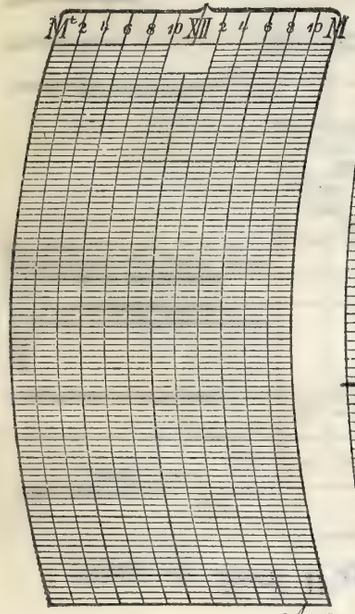
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
89	69	79	

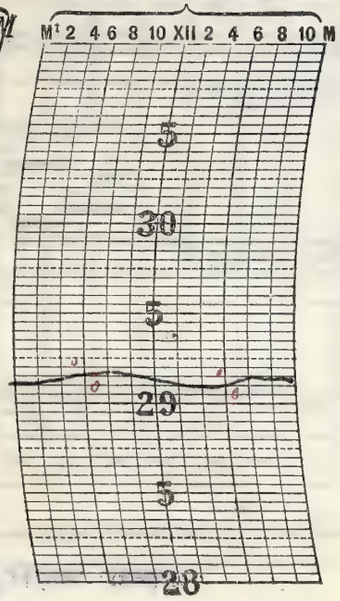
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 13.3 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 99
Prevailing wind direction, SW. Total wind 290
Average hourly velocity, 12.1 Extreme velocity, 26
Maximum velocity, 22 Direction, SW.
Time began, 2:21 pm.
Reduced barometer, 30.07, 7 a. m. 30.04, 7 p. m.
River gage, 2.1 ft.
Relative humidity, 84, 7 a. m. 52, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 7:38 P.M.
(Local Mean Time.)
Dry temperature, 86.5 Wet temperature, 70.5
Dew-point, 62 R. humidity, 45 V. pressure, .5555
Clouds: Amount, 6; Kind, Cu; Direction, SW.
Velocity of clouds (miles per hour)

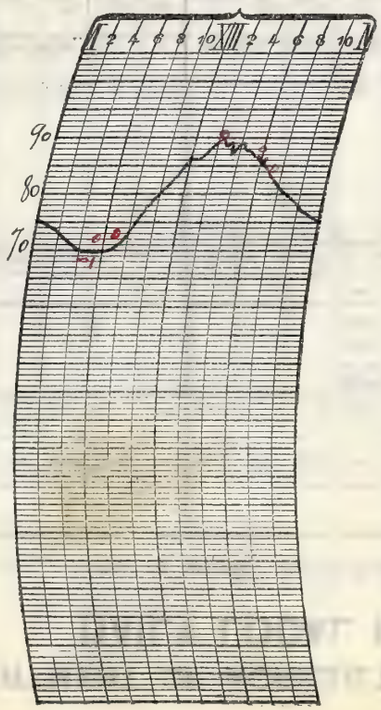
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Except some Cloudiness during the Mid day hours, the weather was generally Clear and quite warm, with considerable humidity.

Prepared by H. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 24 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	73	72	71	69	70	71	73	76	80	81	82	84	78	77	73	73	74	71	68	66	64	63	62
State of weather: Nature of precipitation and time of beginning and ending																RB 3:15 RE 3:30 T								
Amounts of precipitation																								
Cloudiness and other conditions						Clear			Partly				Cloudy						Pt. Cloudy			Clear		
Sunrise: Time, 5:00 Character, Clear																					Sunset: Time, 6:27 Character, Cloudy			
Moonrise: 3:57 am.																					Moonset: 5:37 pm			
Sunshine (in tenths of hours)						1.0 0	0.8 0.2	0.7	1.0	1.0	1.0	0.9	0.3	0	0.1	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	NW	NW	NW	W	NW	NW	NW	NW	NW	NW	NW
Wind movement	10	10	10	11	10	10	12	11	11	13	13	14	12	13	12	11	7	8	7	7	10	9	6	4
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	62	73	

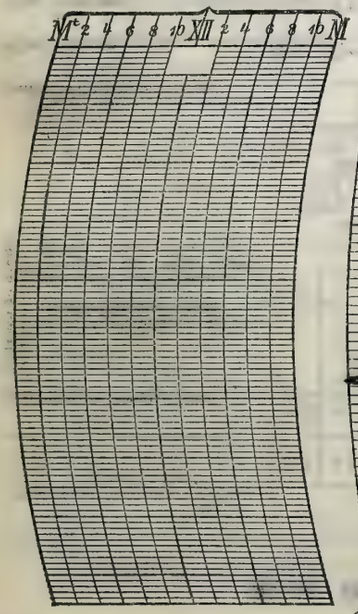
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 7.0 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 52
Prevailing wind direction, SW-NW Total wind 241
Average hourly velocity, 10.0 Extreme velocity, 22
Maximum velocity, 20 Direction, NW.
Time began, 1:35 pm.
Reduced barometer, 30.02, 7 a. m. 29.96, 7 p. m.
River gage, 2.0 ft.
Relative humidity, 85, 7 a. m. 46, 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

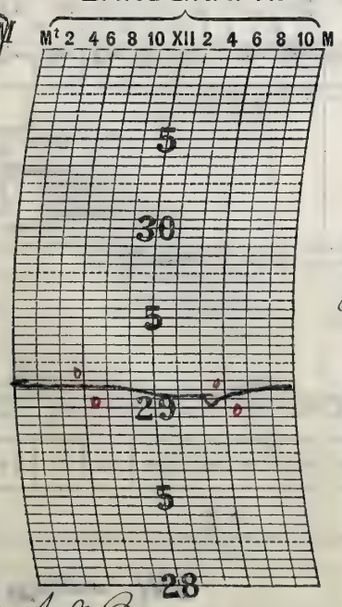
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 83.0 Wet temperature, 70.0
Dew-point, 64 R. humidity, 52 V. pressure, .595
Clouds: Amount, 5; Kind, St. Cu; Direction, SW
Velocity of clouds (miles per hour)

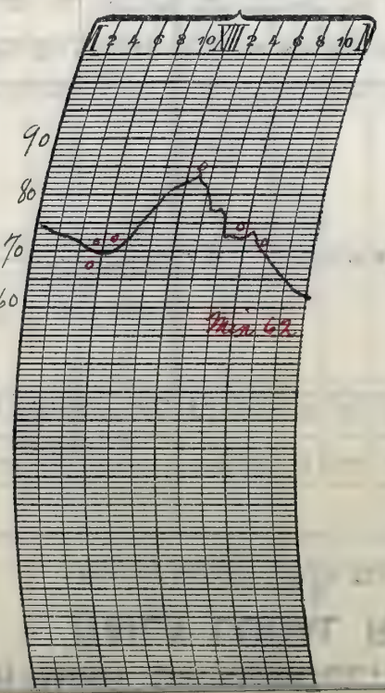
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The day was largely partly cloudy with a sprinkling of rain from 3:15 pm to 3:30 pm. A feeble thunderstorm observed between 3:05 pm and 3:30 pm. Mild temperatures obtained, but the weather was comparatively cool at night.

Prepared by A. S. Baker.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 25 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	60	59	58	58	58	60	63	66	69	71	72	74	75	73	74	73	71	68	66	64	62	60	59
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←		44. Cloudy					→	←		Clear									→
Sunshine (in tenths of hours)						0	0.5	1.0	1.0	1.0	1.0	0.9	1.0	0.8	1.0	0.9	0.2 0.8	1.0 0	0.42 0					
Wind direction	NW	NW	NW	W	N	NW	NW	N	N	N	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W
Wind movement	6	4	5	4	4	5	7	6	8	10	12	13	18	20	20	19	17	12	9	6	7	5	4	5

Sunrise: Time, 5:00 Character, Cloudy
Moonrise: 5:02 am.

Sunset: Time, 6:25 Character, Clear
Moonset: 6:08 pm

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

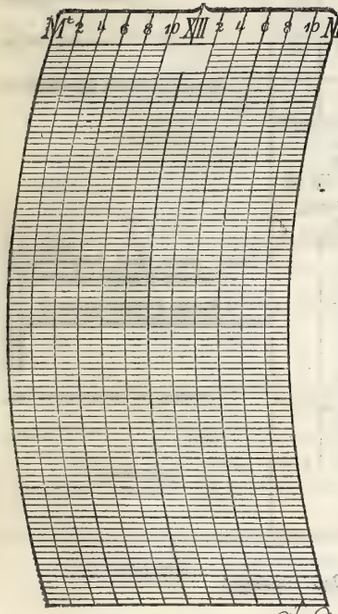
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
75	57	66	

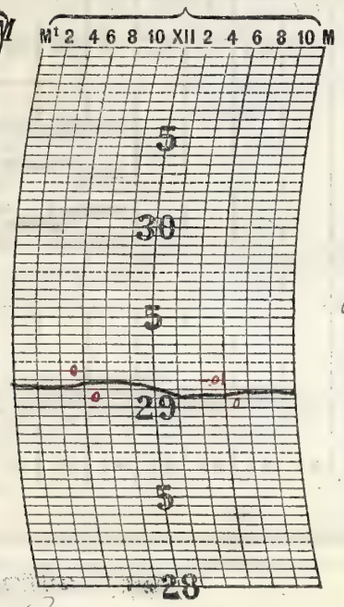
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 2 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, New Moon 9:37 am.
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.5 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 86
Prevailing wind direction, NW Total wind 226
Average hourly velocity, 9.4 Extreme velocity, 28
Maximum velocity, 26 Direction, N.W.
Time began, 2:18 pm.
Reduced barometer, 30.04 7 a. m. 29.98 7 p. m.
River gage, 2.0 ft.
Relative humidity, 81 7 a. m. 46 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 73.5 Wet temperature, 57.0
Dew-point, 44 R. humidity, 34 V. pressure, .287
Clouds: Amount, 5; Kind, Cu; Direction, N.W.
Velocity of clouds (miles per hour)

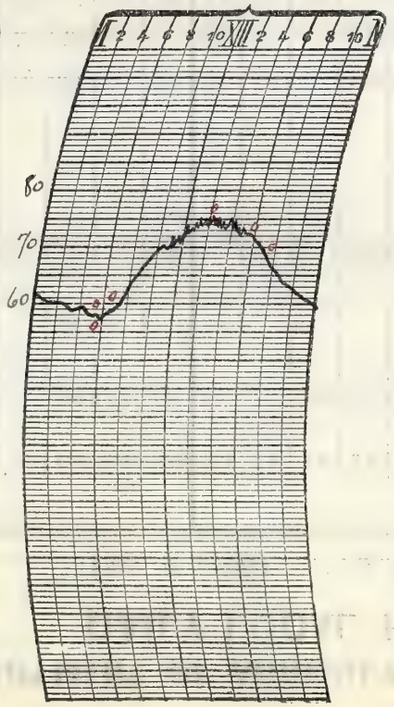
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Forenoon partly cloudy, afternoon and night generally clear. Fine bracing weather

Prepared by H. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 26 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	56	56	57	56	56	60	64	68	70	71	73
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					← Clear						Pt. Cloudy	
Sunshine (in tenths of hours)						0	0.9	0.9	1.0	0.9	0.9	0.8
Wind direction	W	W	W	W	W	W	SW	W	W	W	W	W
Wind movement	5	5	4	5	7	8	7	10	13	15	16	16

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	75	74	75	75	73	70	69	67	65	64	66
State of weather: Nature of precipitation and time of beginning and ending												RB 11:20 RE 11:30
Amounts of precipitation												T
Cloudiness and other conditions						Clear						
Sunshine (in tenths of hours)	0.9	1.0	1.0	1.0	1.0	0	0					
Wind direction	NW	W	W	NW	NW	NW	NW	NW	SW	SW	SW	W
Wind movement	19	20	20	17	13	9	6	4	9	8	9	11

Sunrise: Time, 5:02; Character, Clear. Moonrise: 6:07 pm

Sunset: Time, 6:24; Character, Clear. Moonset: 6:37 pm

Maximum velocities (exceeding 24 miles) direction and time

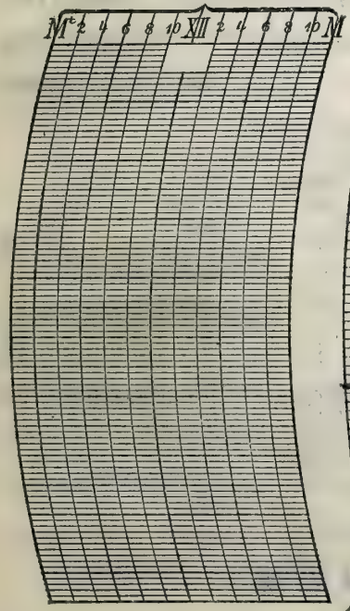
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
75	55	65	

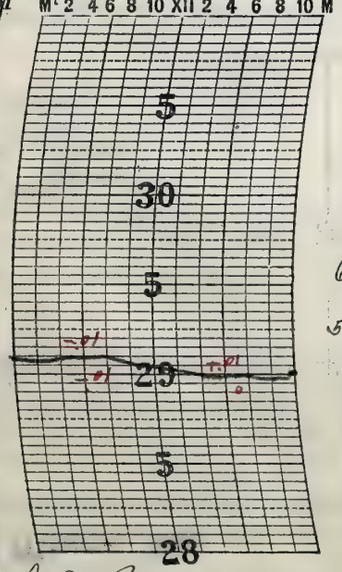
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 12.8 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 96
Prevailing wind direction, W Total wind 256
Average hourly velocity, 10.7 Extreme velocity, 27
Maximum velocity, 25 Direction, NW
Time began, 1:48 pm.
Reduced barometer, 30.00 7 a. m. 29.89 7 p. m.
River gage, 2.0 ft.
Relative humidity, 71 7 a. m. 39 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 74.8 Wet temperature, 57.0
Dew-point, 43 R. humidity, 32 V. pressure, .277
Clouds: Amount, 5; Kind, Cu; Direction, NW.
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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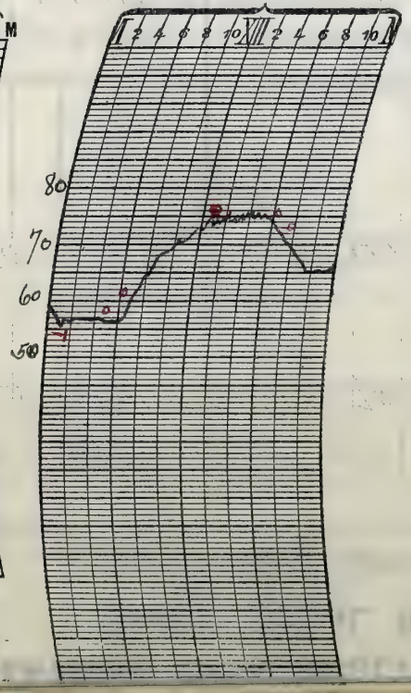


NOTES.

Fine, exhilarating weather

Prepared by W. S. Baker

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 27 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	58	57	55	54	54	58	62	63	64	66	67
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Clear							Pt. Cloudy				→
Sunshine (in tenths of hours)						0.95 0	0.6	1.0	0.8	0.2	0.9	0.6
Wind direction	N	N	W	SW	SW	W	W	W	NW	NW	NW	NW
Wind movement	5	3	4	6	5	5	5	5	8	9	10	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	69	70	71	70	69	66	65	63	62	59	58
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						→
Sunshine (in tenths of hours)	0.5	1.0	0.8	1.0	1.0	0.6 0.4	0.3 0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W
Wind movement	14	13	12	11	12	9	6	4	4	2	3	1

Maximum velocities (exceeding 29 miles) direction and time

Sunrise: Time, 5:03 Character, Clear
Moonrise: 7:10 am
Sunset: Time, 6:22 Character, Clear
Moonset: 7:05 pm

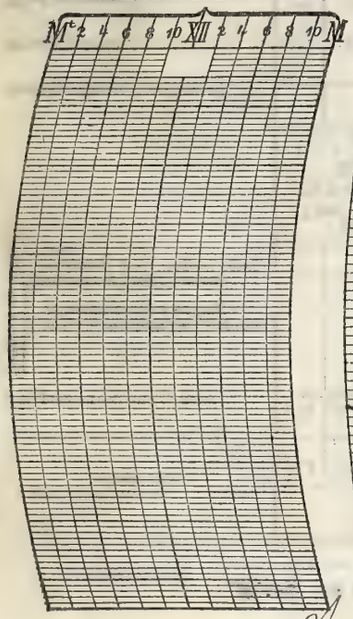
Excessive precipitation, accumulated amounts	Total duration From—	To—	Total amount of precipitation	Excessive rate Began—	Ended—	Amount before excessive began	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
72	54	63	

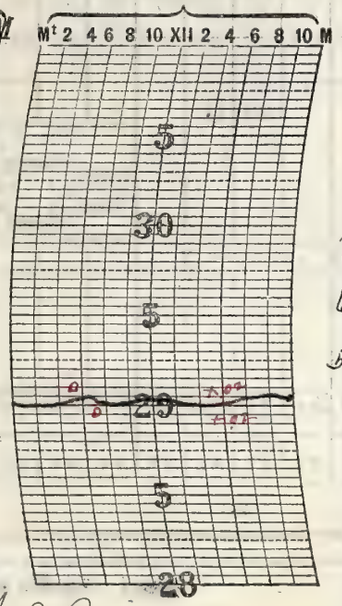
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.7 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 80
Prevailing wind direction, NW Total wind 168
Average hourly velocity, 7.0 Extreme velocity, 19
Maximum velocity, 17 Direction, NW
Time began, 1:04 pm.
Reduced barometer, 29.94.7 a. m. 29.96.7 p. m.
River gage, 1.9 ft.
Relative humidity, 84 7 a. m. 43 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 69.0 Wet temperature, 53.6
Dew-point, 40 R. humidity, 34 V. pressure, .247
Clouds: Amount, 7; Kind, Scu; Direction, NW
Velocity of clouds (miles per hour)

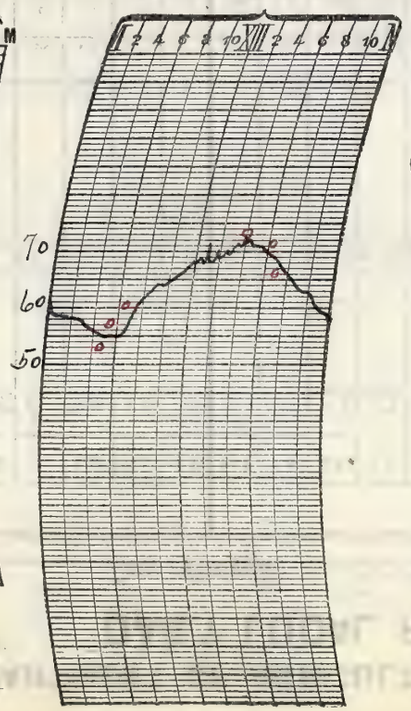
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Early morning and late afternoon and night - Clear but day mostly partly Cloudy. Pleasant temperatures Maintained.

Prepared by H. S. Baker
Verified by F. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 23 1919, 191

Time (local standard) 90th mer. normal time

A. M.	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	56	54	53	53	53	56	59	65	70	72	74
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunshine (in tenths of hours)						0.83 0	0.5 0.4	1.0	1.0	0.9	0.9	0.8
Wind direction	W	W	W	SW	SW	SW	SW	SW	W	W	W	W
Wind movement	4	4	5	6	6	5	7	7	8	12	13	11

Sunrise: Time, 5:04; Character, Clear. Moonrise: 8:11 am

P. M.	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	76	78	77	76	74	70	69	68	66	63	62
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Partly			Clear						
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.9 0.1	0.35 0					
Wind direction	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	12	12	10	11	12	9	6	5	3	2	2	1

Sunset: Time, 6:21; Character, Clear. Moonset: 7:33 pm

Maximum velocities (exceeding 26 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

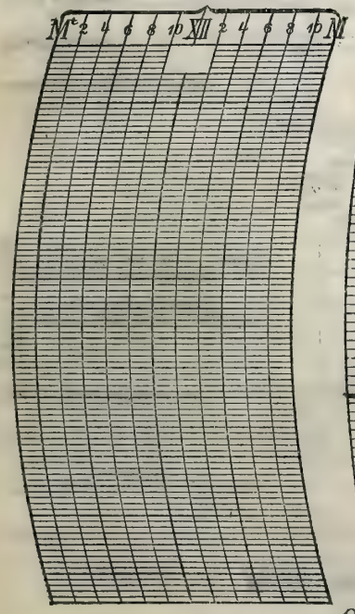
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	53	66	

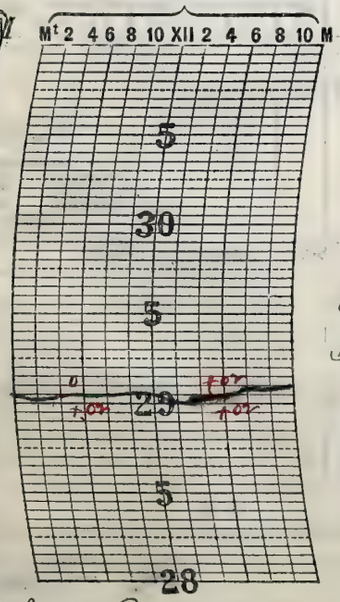
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.8 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 96
Prevailing wind direction, W Total wind 173
Average hourly velocity, 7.2 Extreme velocity, 17
Maximum velocity, 15 Direction, NW
Time began, 4:17 pm
Reduced barometer, 29.98, 7 a. m. 29.98, 7 p. m.
River gage, 1.9 ft.
Relative humidity, 60, 7 a. m. 30, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)
Dry temperature, 74.5 Wet temperature, 55.8
Dew-point, 40 R. humidity, 29 V. pressure, .247
Clouds: Amount, 2; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

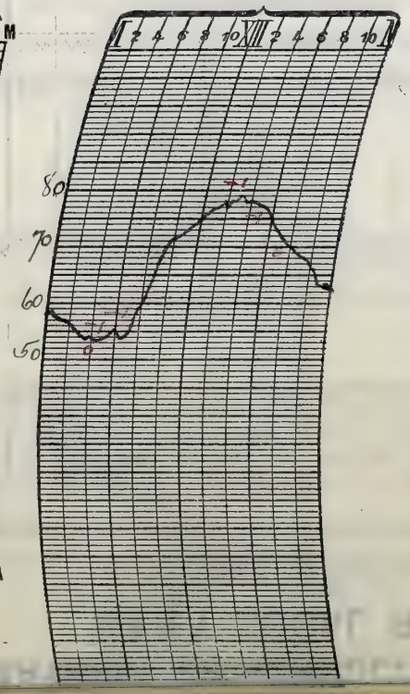
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Continued fine weather.

Prepared by N. S. Baker

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 29 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	59	58	56	55	56	58	66	72	77	78	79	80	79	80	80	80	79	77	74	74	73	71	70
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←	Clear						→	←		Cloudy					→	←	Cloudy		
Sunshine (in tenths of hours)						0.93 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0	0					
Wind direction	NW	W	W	W	W	W	W	SW	SW	SW	SW	SW	S	S	S	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	1	1	1	1	1	2	3	7	9	12	14	14	15	13	14	13	13	11	13	15	13	15	14	13
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5:04; Character, Clear. Moonrise: 9:11 am

Sunset: Time, 6:19; Character, Cloudy. Moonset: 8:04 pm

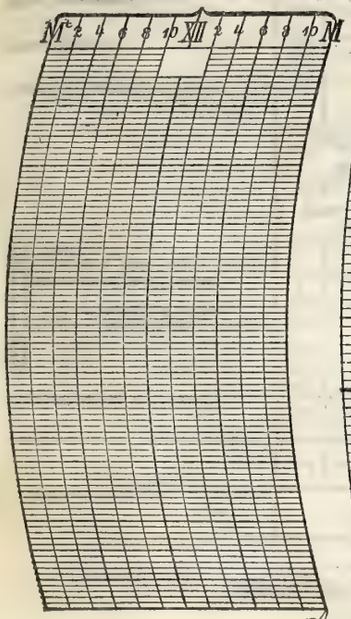
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	55	68	

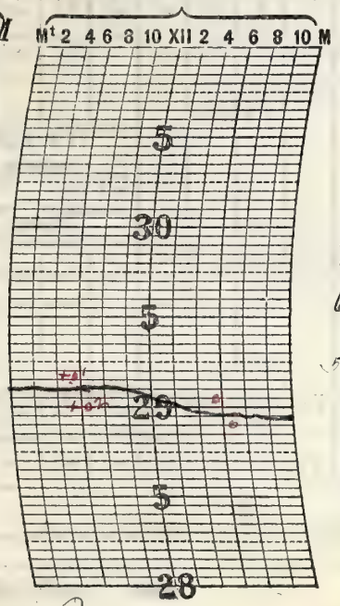
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Partly Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.5 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 87
Prevailing wind direction, SW Total wind 228
Average hourly velocity, 9.5 Extreme velocity, 23
Maximum velocity, 20 Direction, S
Time began, 12:20 pm
Reduced barometer, 30.82, 7 a. m. 29.86, 7 p. m.
River gage, 1.9 ft.
Relative humidity, 64, 7 a. m. 60, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 79.0 Wet temperature, 60.0
Dew-point, 46 R. humidity, 31 V. pressure, .310
Clouds: Amount, 4; Kind, ~~Haze~~ Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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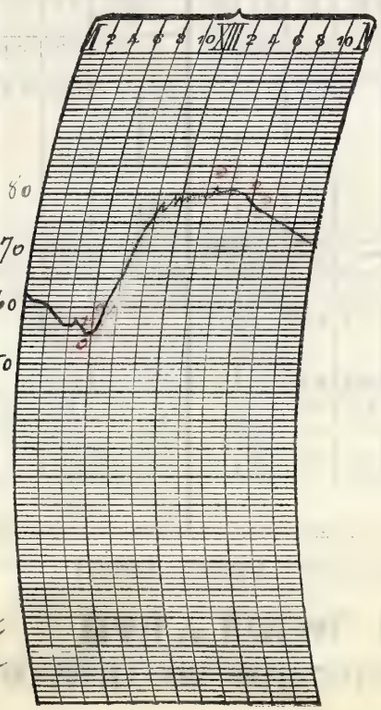


NOTES.

Mild temperatures obtained. Increasing cloudiness from the a. m. observation, the day being generally partly cloudy and the night cloudy. Light haze during the middle hours.

A solar halo, 22° radius, was observed at 12:50 pm.

A moderate thunderstorm occurred between 10:05 pm. and 10:15 pm.

Prepared by R. S. Baker
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 30 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	70	70	67	65	66	66	71	75	78	76	78
State of weather: Nature of precipitation and time of beginning and ending	RB 12:20 RE 12:40											
Amounts of precipitation	T											
Cloudiness and other conditions	← Clear											
Sunshine (in tenths of hours)						0.9 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	W	W	W	W	SW	SW	SW	SW	W	W	W
Wind movement	11	9	10	7	5	7	8	7	9	11	13	11

Sunrise: Time, 5:05; Character, Clear. Moonrise: 10:10 am

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	81	70	70	68	69	68	66	65	62	61	60
State of weather: Nature of precipitation and time of beginning and ending			RB 2:18	RE 3:50		RB 5:40 RE 5:45						
Amounts of precipitation			.01	T		T						
Cloudiness and other conditions	← Breezy		← Cloudy			← Clear						
Sunshine (in tenths of hours)	1.0	1.0	0.1	0	0.4	0	0					
Wind direction	W	SW	SW	W	SW	W	W	NW	NW	NW	NW	W
Wind movement	12	18	18	8	9	6	5	8	11	7	6	4

Sunset: Time, 6:17; Character, Cloudy. Moonset: 8:36 pm

Maximum velocities (exceeding 29 miles) direction and time

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	60	70	

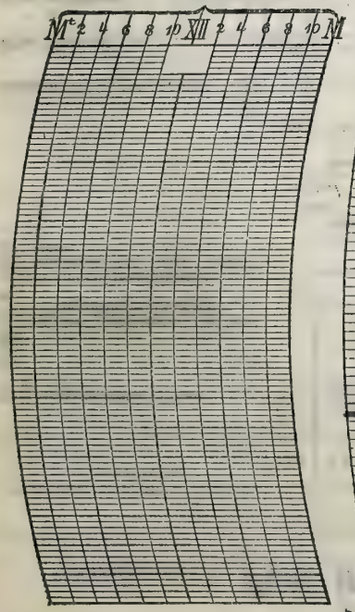
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 9.4 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 71
Prevailing wind direction, W Total wind 220
Average hourly velocity, 9.2 Extreme velocity, 27
Maximum velocity, 25 Direction, W
Time began, 1:39 pm
Reduced barometer, 29.90, 7 a. m. 29.84, 7 p. m.
River gage, 2.0 ft.
Relative humidity, 92, 7 a. m. 62, 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

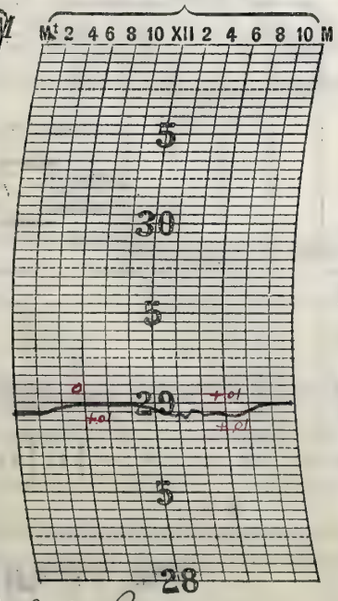
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 79.0 Wet temperature, 59.0
Dew-point, 44 R. humidity, 29 V. pressure, .287
Clouds: Amount, 1; Kind, cu; Direction, W
Velocity of clouds (miles per hour)

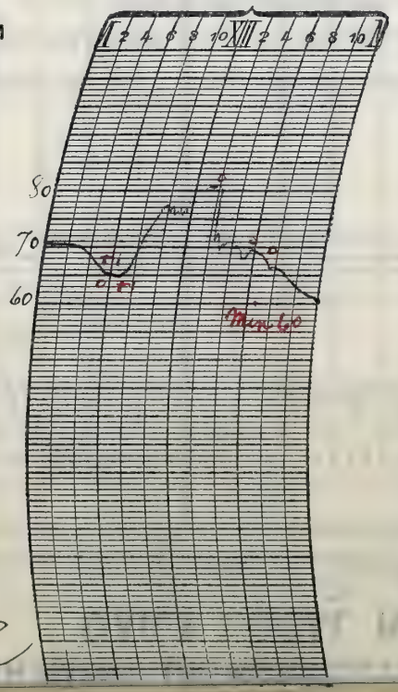
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A light shower occurred between 12:20 am and 12:40 am.
There was light fog from the early morning until 9 am.
Clear during the forenoon and night, but partly cloudy to cloudy in the afternoon with light showers. A mild thunder storm occurred between 2:13 pm and 3:00 pm. The storm moved from the northwest. Moderate temperature prevailed during the day, and there was slight moonlight at night.

Prepared by N. S. Baker
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 31 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	58	59	59	59	58	59	59	60	61	61	64
Nature of precipitation and time of beginning and ending									RB 8:50	RE 9:10		
Amounts of precipitation									T	T		
Cloudiness and other conditions				2	—	Cloudy					—	
Sunrise: Time, Character	5:01 Cloudy											
Moonrise	---											
Sunshine (in tenths of hours)						0	0	0	0	0	0.2	0.4
Wind direction	W	W	NW	NW	W	W	NW	NW	NW	NW	NW	N
Wind movement	5	5	6	6	5	7	8	11	11	11	14	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	68	69	71	70	70	65	62	61	60	59	57
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	7-L	Pt. Cloudy				—		7-Clear				
Sunset: Time, Character									6:16 Cloudy			
Moonset									9:11 pm			
Sunshine (in tenths of hours)	0.9	1.0	1.0	1.0	1.0	0.1	0					
Wind direction	N	NW	N	N	N	NW	NW	NW	NW	NW	N	N
Wind movement	13	15	14	12	10	9	9	9	8	6	7	6

State of weather.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

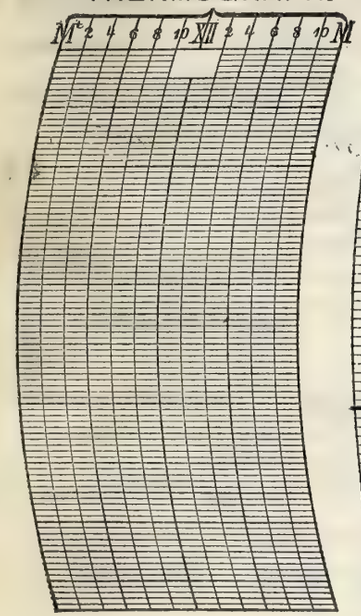
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
71	57	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.6 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 42
Prevailing wind direction, NW. Total wind 219
Average hourly velocity, 9.1 Extreme velocity, 21
Maximum velocity, 18 Direction, NW.
Time began, 12:48 pm.
Reduced barometer, 29.98 7 a. m. 30.10 7 p. m.
River gage, 2.2 ft.
Relative humidity, 81 7 a. m. 57 7 p. m.

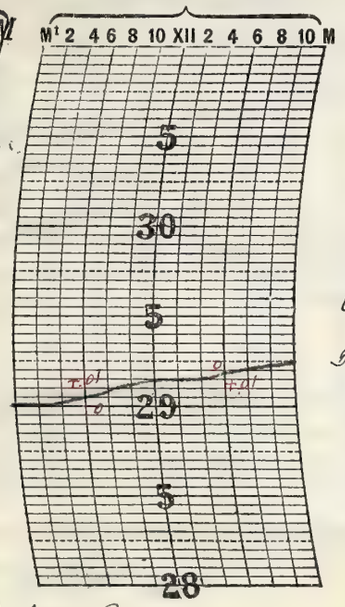
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 65.0 Wet temperature, 57.2
Dew-point, 51 R. humidity, 63 V. pressure, .373
Clouds: Amount, 8; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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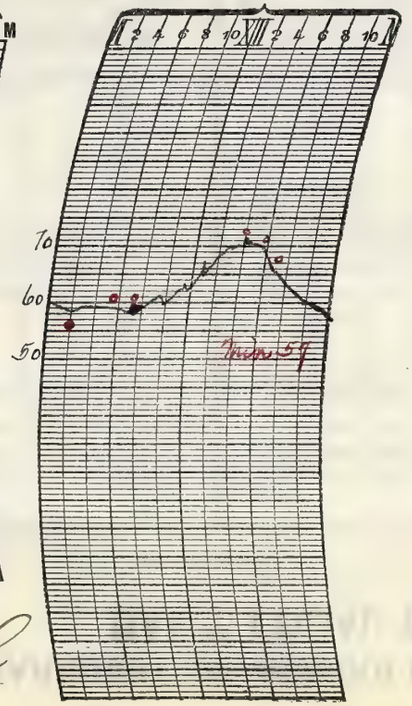


NOTES.

Cool and generally partly cloudy weather.

Prepared by N. S. Baker.
Verified by J. M. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 1 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	55	63	53	52	53	52	55	61	65	68	70	71	72	72	72	73	73	72	70	67	63	61	60	59
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←					Clear													→
Sunshine (in tenths of hours)						0.87 0	0.44 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.8	0.7 0.3	0.23 0					
Wind direction	N	N	N	N	N	N	N	NE	NE	NE	NE	N	NE	N	N	NE	N	N	N	N	N	NW	N	N
Wind movement	5	5	5	4	4	4	4	5	6	7	8	7	8	7	8	8	6	4	3	1	1	4	4	4
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5:08 Character, Clear
Moonrise: 12:03 pm
Sunset: Time, 6:14 Character, Clear
Moonset: 9:52 pm

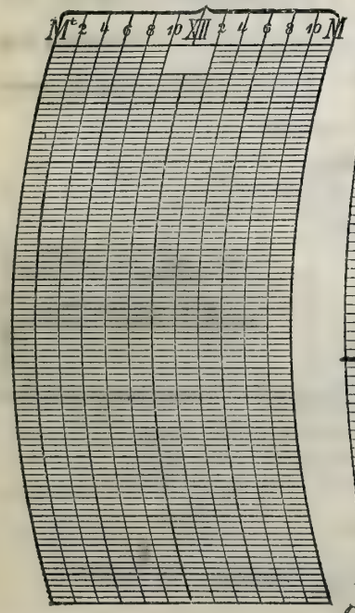
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	52	62	

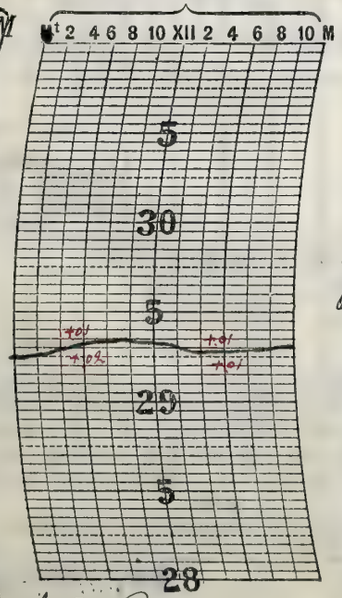
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 1
Actual sunshine, hours, 12.8 Possible sunshine, hours, 13.1
Per cent of possible sunshine, 98
Prevailing wind direction, N Total wind 122
Average hourly velocity, 5.1 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 12:22 pm
Reduced barometer, 30.26, 7 a. m. 30.21, 7 p. m.
River gage, 3.6 ft
Relative humidity, 72, 7 a. m. 39, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 2:38 P.M.
(Local Mean Time.)
Dry temperature, 70.0 Wet temperature, 54.6
Dew-point, 41 R. humidity, 35 V. pressure, .2056
Clouds: Amount, 1; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

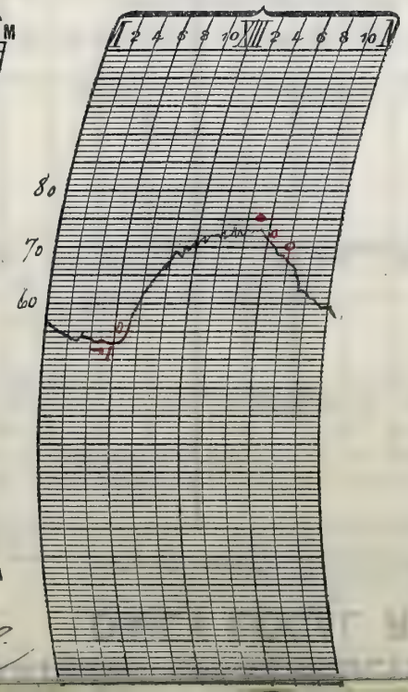
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and pleasant weather with moonlight at night.

Prepared by A. S. Baker.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 2 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	57	55	52	51	52	57	61	68	70	73	74
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Cloudy					Pt.	Cloudy	
Sunshine (in tenths of hours)						0	0	0.6	1.0	1.0	1.0	1.0
Wind direction	N	NW	NW	W	SW	NW	W	W	NW	NW	NW	NW
Wind movement	3	2	3	5	5	2	3	3	5	10	10	10

Sunrise: Time, 5:09 Character, Cloudy

Moonrise: 12:56 pm

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	74	74	74	75	72	72	68	66	65	62	61
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy					Clear						
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.2	0					
Wind direction	NW	NW	N	N	N	N	NE	NE	N	N	W	W
Wind movement	8	8	7	7	5	5	3	3	1	1	2	2

Sunset: Time, 6:12 Character, Cloudy

Moonset: 10:37 pm

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	51	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase First quarter 8:22 pm

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 9.8 Possible sunshine, hours, 13.0

Per cent of possible sunshine, 75

Prevailing wind direction, NW Total wind 113

Average hourly velocity, 4.7 Extreme velocity, 15

Maximum velocity, 14 Direction, N.W

Time began, 11:12 a.m.

Reduced barometer, 30.28, 7 a. m. 30.23, 7 p. m.

River gage, 3.0 ft.

Relative humidity, 71, 7 a. m. 38, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

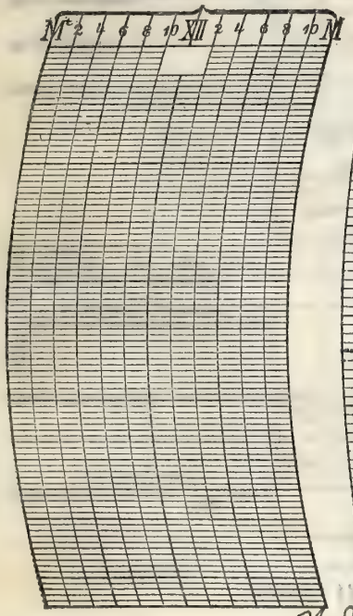
Dry temperature, 73.0 Wet temperature, 55.8

Dew-point, 41 R. humidity, 32 V. pressure, .256

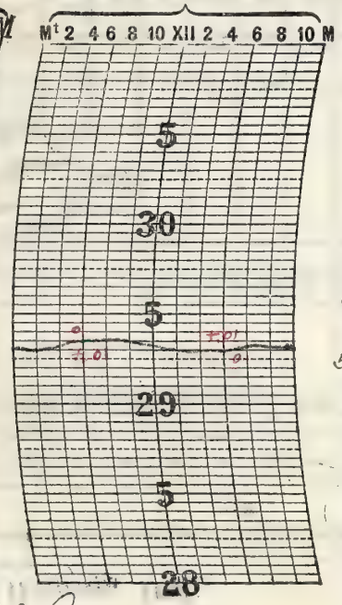
Clouds: Amount, 4 2; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour)

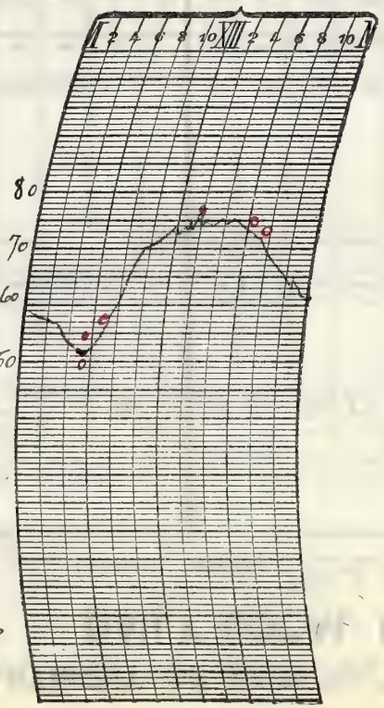
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Pleasant temperature during a considerable part of the day, but moderately cool in the early morning, decreasing cloudiness after the morning observation, the being clear with moonlight.

Prepared by W. S. Baker.

Verified by F. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 3 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	57	57	57	56	55	58	64	70	75	76	78	80	81	82	81	81	77	75	72	70	68	67	66
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Pt Cloudy		Cloudy		Pt Cloudy				—	Clear			—		Pt Cloudy	Clear				
Sunshine (in tenths of hours)						0	0	0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0	0					
Wind direction	W	0	W	W	W	SW	SW	SW	W	W	W	W	W	W	NW	NW	NW	NW	N	N	N	N	NW	NW
Wind movement	1	0	3	1	2	3	4	4	5	6	6	6	6	8	10	10	8	7	6	5	4	5	5	6
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5:10 Character, Cloudy
Moonrise: 1:46 pm

Sunset: Time, 6:11 Character, Cloudy
Moonset: 11:27 pm

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	55	68	

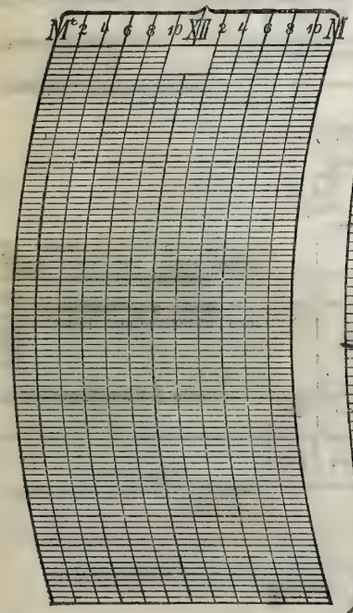
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 8.4 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 65
Prevailing wind direction, W Total wind 121
Average hourly velocity, 5.0 Extreme velocity, 13
Maximum velocity, 13 Direction, NW
Time began, 2:37 pm.
Reduced barometer, 30.26, 7 a. m. 30.16, 7 p. m.
River gage, 2.6 ft.
Relative humidity, 67, 7 a. m. 41, 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

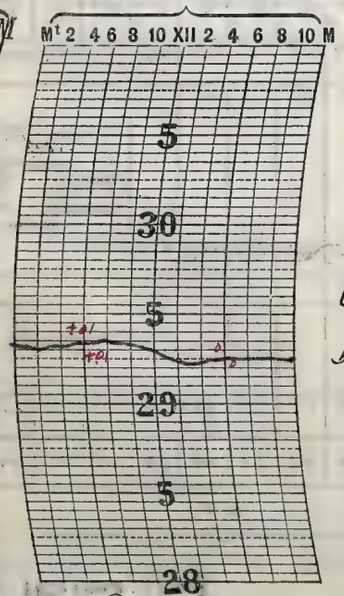
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 78.2 Wet temperature, 59.0
Dew-point, 44 R. humidity, 30 V. pressure, .287
Clouds: Amount, 2; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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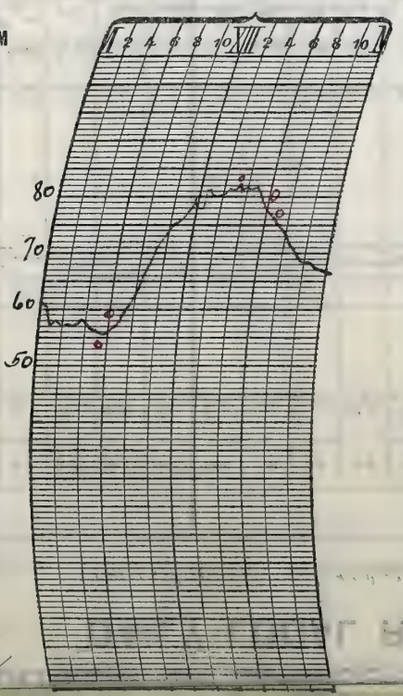


NOTES.

Generally partly cloudy during the day, and clear at night with full moonlight. Pleasant temperature.

Prepared by N. S. Baker
Verified by T. M. Donovan

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 4 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	65	64	63	63	63	63	64	67	70	71	73
State of weather: Nature of precipitation and time of beginning and ending			RB 2:10			RE 5:15						
Amounts of precipitation			T	T	T	T						
Cloudiness and other conditions						Cloudy						
Sunshine (in tenths of hours)						0	0	0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	N	N	N	N	N	N	NE	N	N	N
Wind movement	7	8	7	6	6	5	6	6	6	8	9	9

Sunrise: Time, 5:11 Character, Cloudy. Moonrise: 2:33pm

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	75	75	76	75	74	72	69	68	64	63	61
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Partly Cloudy — Clear						
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.7 0.3	0.5 0					
Wind direction	N	N	NE	NE	NE	N	N	N	N	N	N	NE
Wind movement	9	7	8	6	6	6	3	3	2	1	1	2

Sunset: Time, 6:09 Character, Clear. Moonset: ---

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

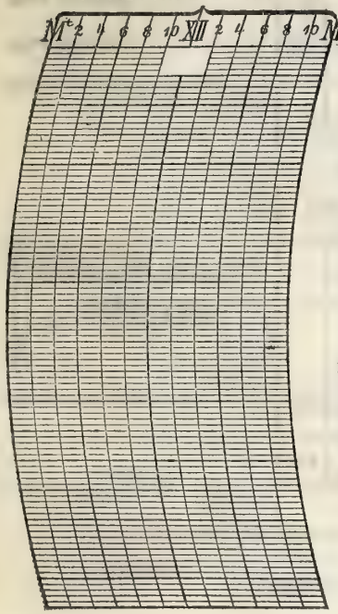
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	61	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 10.2 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 78
Prevailing wind direction, N Total wind 137
Average hourly velocity, 5.7 Extreme velocity, 12
Maximum velocity, 12 Direction, N
Time began, 10:15 am
Reduced barometer, 30.23, 7 a. m. 30.19, 7 p. m.
River gage, 2.4 ft.
Relative humidity, 77, 7 a. m. 30, 7 p. m.

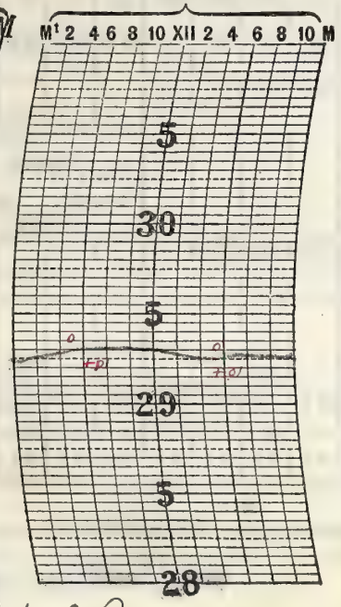
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 74.4 Wet temperature, 53.0
Dew-point, 31 R. humidity, 20 V. pressure, .172
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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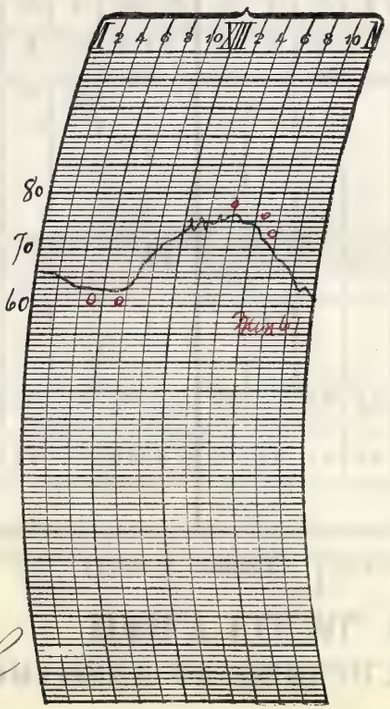


NOTES.

There was a sprinkling of rain in the early morning, and the clouds began to break away after the 7am observation, the afternoon and night being generally clear with bright moonlight at night. Moderate temperatures obtained.

Prepared by H. S. Baker

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 5 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	55	56	55	54	51	53	57	64	70	73	76	78
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)						0.82 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	E	E	E	S	S	S	S
Wind movement	2	2	1	3	4	4	4	3	7	8	7	6
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	80	81	82	82	81	80	78	74	73	71	69	68
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions									→			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.6	0	0					
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	8	8	8	8	7	6	6	6	6	8	6	7
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 5:11 Character, Clear
Moonrise: 3:17pm
Sunset: Time, 6:08 Character, Cloudy
Moonset: 12:23am

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

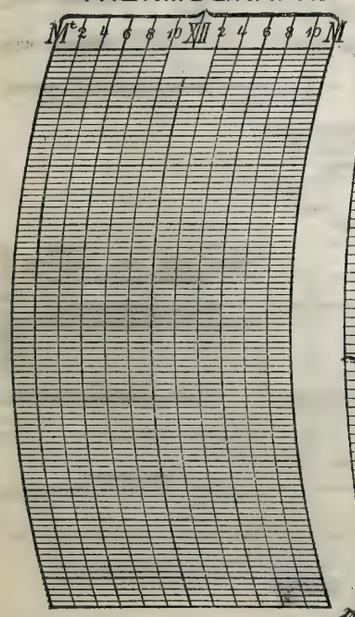
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	51	67	

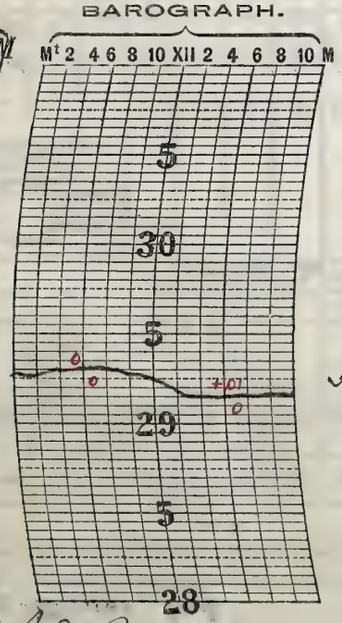
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 2
Actual sunshine, hours, 11.4 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 88
Prevailing wind direction, S Total wind 135
Average hourly velocity, 5.6 Extreme velocity, 11
Maximum velocity, 11 Direction, SW
Time began, 1:48pm
Reduced barometer, 30.23, 7 a. m. 30.07, 7 p. m.
River gage, 2.2 ft.
Relative humidity, 76, 7 a. m. 44, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 79.5 Wet temperature, 61.5
Dew-point, 50 R. humidity, 34 V. pressure, .360
Clouds: Amount, 2; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

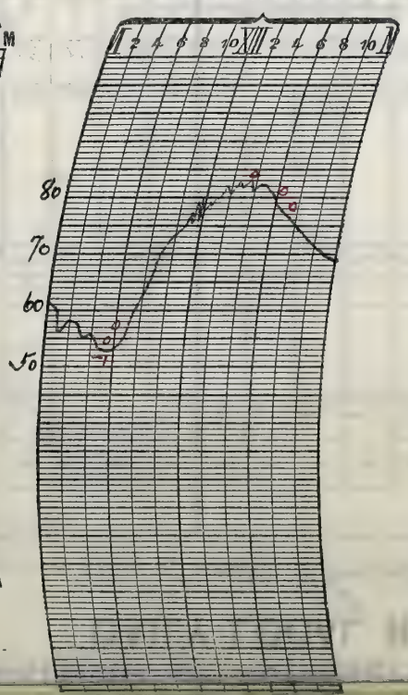
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Generally clear and moderately warm weather, with bright moonlight at night

Prepared by A. S. Baker.
Verified by P. McAdams

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 6 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	66	66	65	65	65	66	74	79	83	85	87
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions										Clear		
Sunshine (in tenths of hours)						0.8 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	6	8	8	9	8	8	7	9	9	10	13	13
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	88	89	90	90	89	86	83	81	79	77	75	76
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions									Cloudy			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	SW
Wind movement	13	14	14	14	10	8	7	5	7	7	8	9
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 5:12; Character, Clear. Moonrise: 3:50 PM.

Sunset: Time, 6:06; Character, Cloudy. Moonset: 1:23 am.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	65	78	

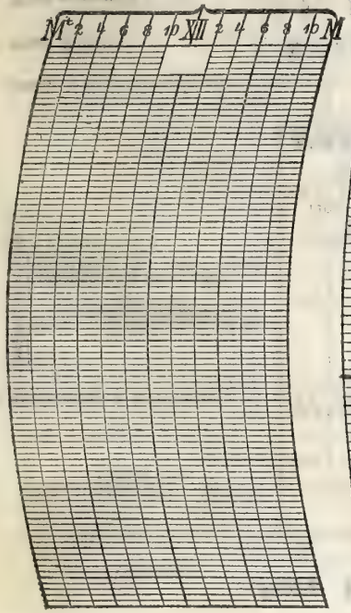
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 11.8. Possible sunshine, hours, 12.9
Per cent of possible sunshine, 91
Prevailing wind direction, SW. Total wind 224
Average hourly velocity, 9.3. Extreme velocity, 19
Maximum velocity, 18. Direction, SW.
Time began, 2:23 pm.
Reduced barometer, 30.11, 7 a. m. 30.03, 7 p. m.
River gage, 2.2 ft.
Relative humidity, 62, 7 a. m. 40, 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

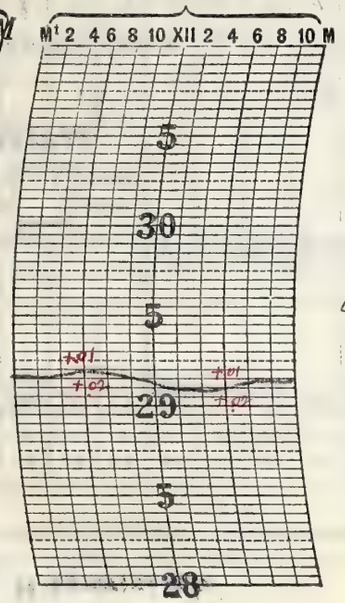
OBSERVATIONS AT ~~12 NOON~~ 12:38 PM (Local Mean Time.)

Dry temperature, 87.0. Wet temperature, 67.0
Dew-point, 56. R. humidity, 34. V. pressure, .448
Clouds: Amount, few; Kind, cst.; Direction, W
Velocity of clouds (miles per hour)

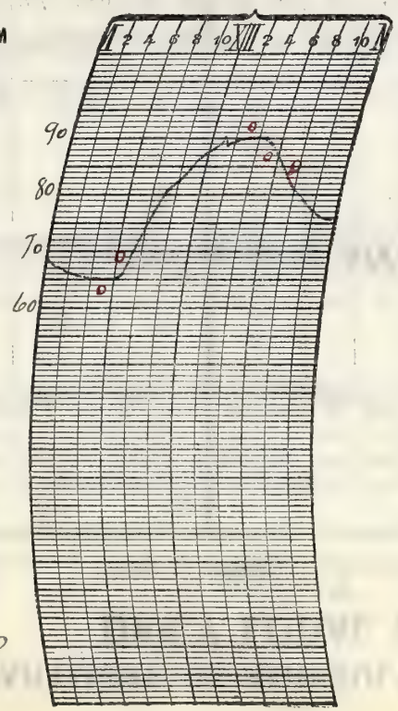
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Generally clear and moderately warm weather. Some cloudiness and partially obscured moonlight at night.

Prepared by H. S. Baker.
Verified by F. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 7 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	74	73	72	72	71	71	76	79	83	84	87	88	89	90	88	86	86	83	81	80	77	76	74
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Cloudy			→	Pt. Cldy			Clear	← Pt. Cldy								→			
Sunshine (in tenths of hours)						0	0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0	0					
Wind direction	SW	SW	SW	SW	SW	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	SW	SW	SW
Wind movement	8	8	7	7	7	8	7	9	11	12	16	14	14	15	16	15	14	11	7	7	8	7	8	8

Sunrise: Time, 5:13 Character, Cloudy
Moonrise: 4:25 P.M.
Sunset: Time, 6:02 Character, Cloudy
Moonset: 2:26 AM

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

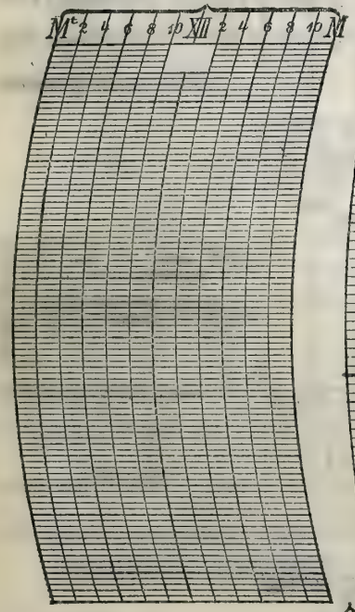
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	71	80	

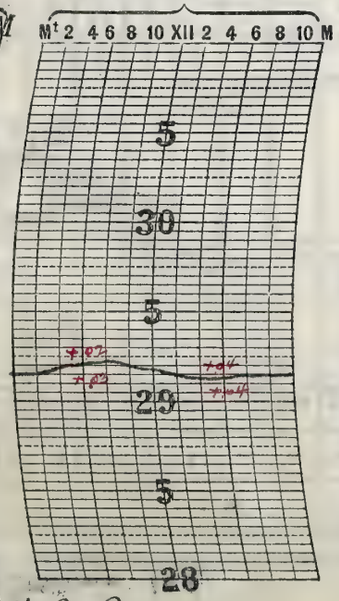
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 8.8 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 69
Prevailing wind direction, SW Total wind 244
Average hourly velocity, 10.2 Extreme velocity, 22
Maximum velocity, 20 Direction, SW.
Time began, 2:46 pm.
Reduced barometer, 30.14 7 a. m. 30.06 7 p. m.
River gage, 2.1 ft.
Relative humidity, 69 7 a. m. 48 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 pm.
(Local Mean Time.)
Dry temperature, 88.0 Wet temperature, 67.7
Dew-point, 56 R. humidity, 34 V. pressure, .448
Clouds: Amount, 1; Kind, Cu; Direction, S
Velocity of clouds (miles per hour)

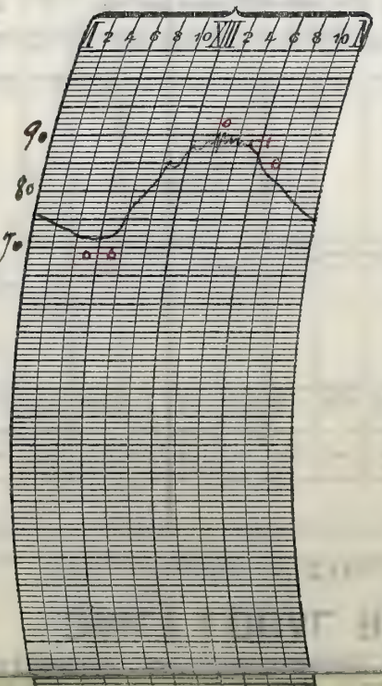
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Continued warm weather. Partly cloudy, with partially obscured moon light at night.

Prepared by W. S. Baker.
Verified by P. McDonald.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 8 1919, 191

Time (local standard). 90" mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	73	73	73	72	71	73	78	81	84	86	88	90	91	92	90	89	88	84	82	81	79	78	76
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions													Pt. Cloudy											
Sunshine (in tenths of hours)						0	0	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.6	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	9	8	8	7	9	9	10	12	14	14	15	15	17	15	15	13	11	6	8	9	7	8	7
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5:14 Character, Cloudy
Moonrise: 4:58 P.M.
Sunset: Time, 6:03 Character, Cloudy
Moonset: 3:31 AM

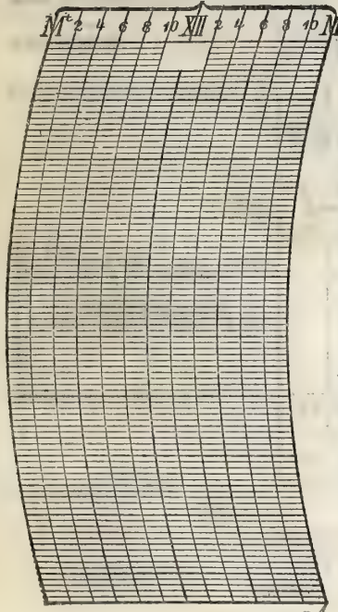
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	71	82	

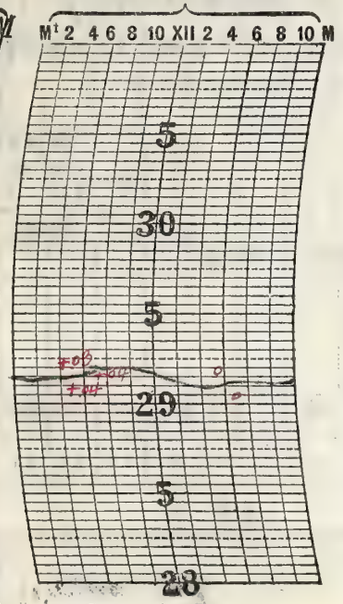
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 9.0 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 70
Prevailing wind direction, SW Total wind 254
Average hourly velocity, 10.6 Extreme velocity, 23
Maximum velocity, 20 Direction, SW.
Time began, 1:06 pm
Reduced barometer, 30.10, 7 a. m. 30.00, 7 p. m.
River gage, 2.0 ft.
Relative humidity, 77, 7 a. m. 50, 7 p. m.

OBSERVATIONS AT 12 ~~NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 88.0 Wet temperature, 72.0
Dew-point, 65 R. humidity, 46 V. pressure, .616
Clouds: Amount, 6; Kind, Cu; Direction, SW.
Velocity of clouds (miles per hour)

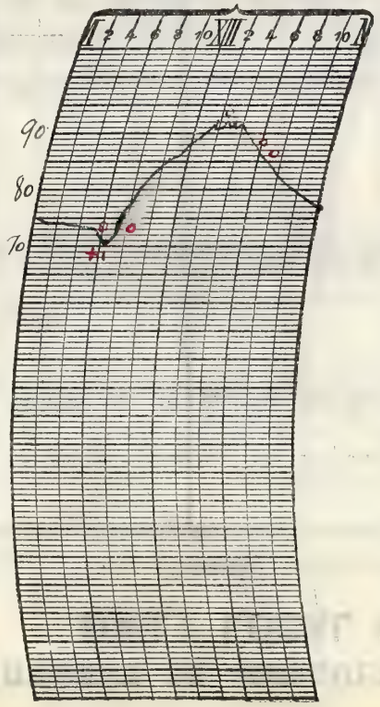
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Partly Cloudy weather with bright Moonlight at night. Continued warm, the heat being quite oppressive.

Prepared by H. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 9 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	75	74	74	73	73	74	80	85	89	90	91
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear →											
Sunshine (in tenths of hours)						0	0 0.4 0.3	1.0	1.0	1.0	1.0	0.4
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	W	W
Wind movement	7	8	8	6	7	6	7	6	6	9	10	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	90	92	90	84	83	82	82	80	79	77	76	74
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt. Cloudy →		Cloudy →				Pt. Cloudy					
Sunshine (in tenths of hours)	0.6	0.4	0.8	0.1	0	0	0					
Wind direction	NW	W	N	N	N	N	N	NE	NE	E	NE	E
Wind movement	10	9	11	11	5	3	4	3	2	4	3	6

Sunrise: Time, 5:15 Character, Cloudy
Moonrise: 5:30 P.M.
Sunset: Time, 6:01 Character, Cloudy
Moonset: 4:39 A.M.

State of weather.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	73	83	

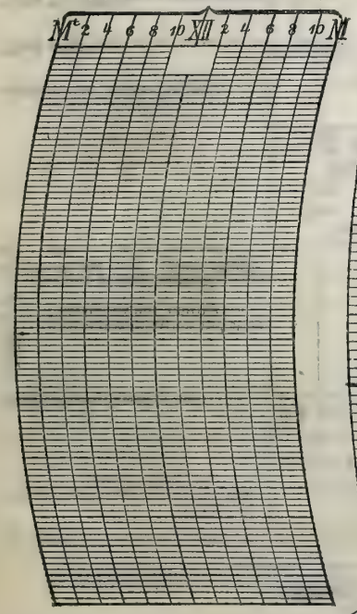
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase Full moon 54 p.m.
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 7.2 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 56
Prevailing wind direction, SW. Total wind 162
Average hourly velocity, 6.8 Extreme velocity, 16
Maximum velocity, 15 Direction, NW.
Time began, 2:59 p.m.
Reduced barometer, 30.03, 7 a. m. 29.96, 7 p. m.
River gage, 2.0 ft.
Relative humidity, 74, 7 a. m. 62, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 92.0 Wet temperature, 72.2
Dew-point, 62 R. humidity, 38 V. pressure, .555
Clouds: Amount, 7; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

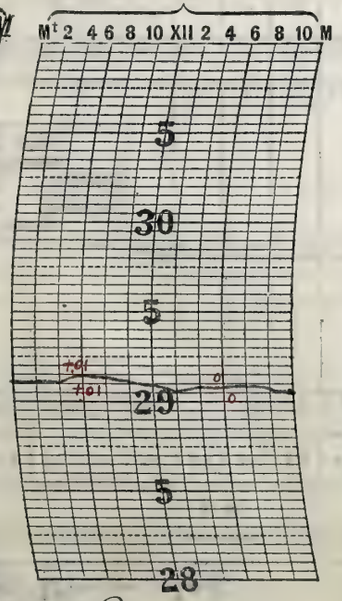
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts — Accumulated depths during excessive rate, for consecutive periods of time indicated below.

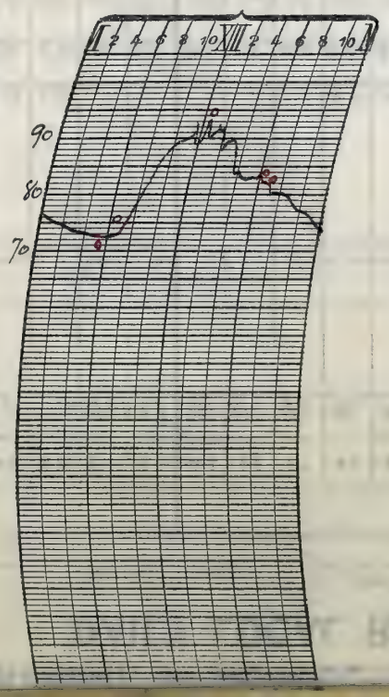
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



o From eye obs.

NOTES.

The weather during the day was intensely warm and mostly partly Cloudy.

Prepared by N. S. Baker.
Verified by P. McDonough

FORM NO. 1014—REV. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 1 0 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	72	70	68	68	68	67	66	65	67	69	74
State of weather: Nature of precipitation and time of beginning and ending				RB 3:10	RE 5:00	RB 5:25	RE 6:17	RB 7:18	RE 8:35			
Amounts of precipitation				T	T	T	T	.13	.08			
Cloudiness and other conditions	← Cloudy →											
Sunrise: Time, 5:16 Character, Cloudy												
Moonrise: 6:02 P.M.												
Sunshine (in tenths of hours)						0	0	0	0	0	0.5	1.0
Wind direction	E	E	E	E	NE	NE	NE	E	E	SE	NE	NE
Wind movement	7	7	7	7	7	9	12	6	6	3	3	4

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	82	83	82	81	80	78	76	76	73	71	70
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt. Cloudy ← Cloudy →											
Sunset: Time, 5:59 Character, Cloudy												
Moonset: 5:49 Am												
Sunshine (in tenths of hours)	1.0	1.0	0.8	0.5	0.1	0						
Wind direction	N	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	4	7	9	11	8	6	5	4	7	8	6	4

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

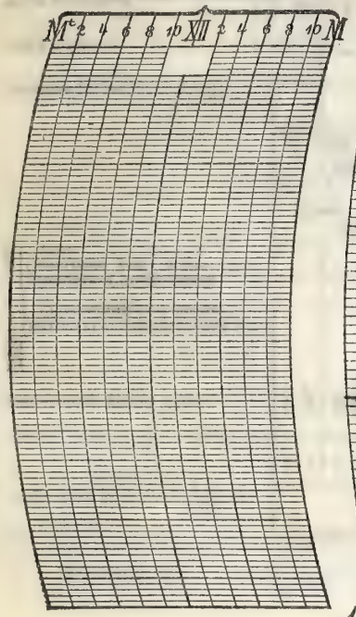
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	65	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .21 ins.
Total precipitation, midnight to midnight, .21 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 4.9 Possible sunshine, hours, 12.7
Per cent of possible sunshine, 39
Prevailing wind direction, NW Total wind 158
Average hourly velocity, 6.6 Extreme velocity, 18
Maximum velocity, 16 Direction, NE
Time began, 6:20 am.
Reduced barometer, 29.94 7 a. m. 29.83 7 p. m.
River gage, 2.0 ft.
Relative humidity, 88 7 a. m. 69 7 p. m.

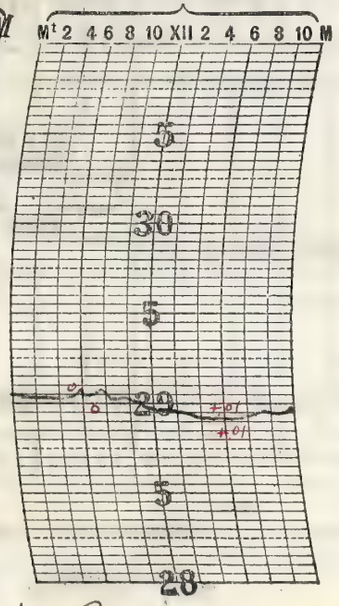
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 77.5 Wet temperature, 69.5
Dew-point, 66 R. humidity, 67 V. pressure, .638
Clouds: Amount, 6 1; Kind, St 4; Direction, NW NE
Velocity of clouds (miles per hour)

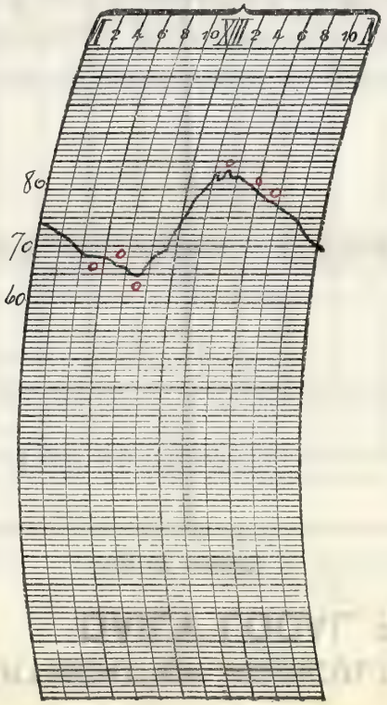
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cloudy and somewhat cooler weather with showers in the early part of the day.

A moderate thunderstorm began at 8.05 am and ended at 8.30 am. The storm came from the west.

Prepared by A. S. Baker
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 11 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	69	68	66	65	66	66	68	70	74	79	77	77	74	73	70	67	64	62	60	59	58	57	55
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Cloudy				Pt. Cloudy						Clear									
Sunrise: Time, 5:17 Character, Cloudy																					Sunset: Time, 5:57 Character, Clear			
Moonrise: 6:35 P.M.																					Moonset: 7:00 AM			
Sunshine (in tenths of hours)						0	0	0.1	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.85 0.1						
Wind direction	NW	W	W	W	NW	W	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	N
Wind movement	4	5	5	5	5	4	5	7	9	11	16	20	23	25	26	25	26	24	16	14	11	8	8	7
Maximum velocities (exceeding 29 miles) direction and time															30 NW 2:19	31 NW 3:40	32 NW 4:22	30 NW 5:11						

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	55	67	

Total depth of snow for 24 hours ending 7 p. m., 0 inches

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 10.0 Possible sunshine, hours, 12.7

Per cent of possible sunshine, 79

Prevailing wind direction, NW Total wind 309

Average hourly velocity, 12.9 Extreme velocity, 35

Maximum velocity, 32 Direction, NW

Time began, 4:22 pm

Reduced barometer, 29.87, 7 a. m. 29.97, 7 p. m.

River gage, 1.9 ft

Relative humidity, 95, 7 a. m. 48, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

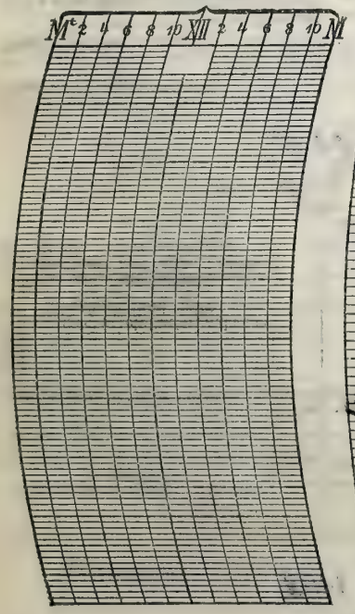
Dry temperature, 78.8 Wet temperature, 64.0

Dew-point, 55 R. humidity, 44 V. pressure, 432

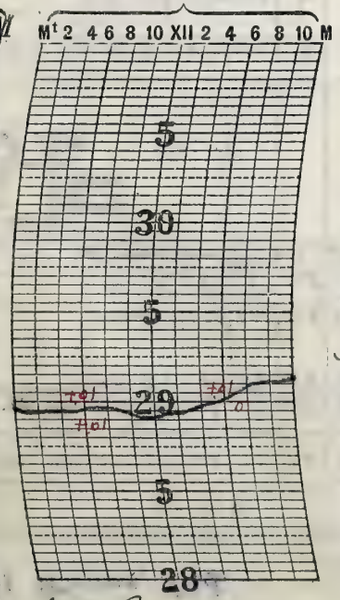
Clouds: Amount, 7; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour)

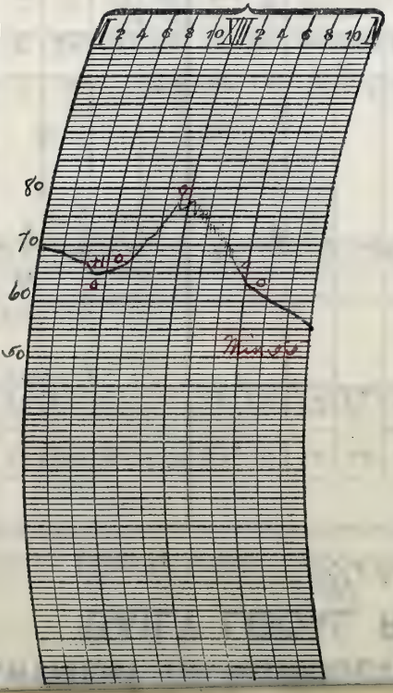
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Moderate temperature during the day, but cool at night. Decreasing cloudiness the afternoon and night being generally clear. Moonlight at night. Brisk winds in the afternoon.

Prepared by H. S. Baker

Verified by F. M. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 12 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	53	52	51	49	49	49	51	54	57	60	61	63
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←					0	1
Sunshine (in tenths of hours)						0.68 / 0	0.6 / 0.4	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	NW	N	N	NE	N	NE
Wind movement	8	7	7	7	8	9	9	9	12	10	8	8

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	65	67	69	68	67	66	64	62	59	57	56	53
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	0	a	ir					→				
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.83 / 0.1						
Wind direction	NE	N	N	N	N	N	N	NE	NE	NE	NE	NE
Wind movement	7	7	7	7	7	6	5	3	2	1	1	1

Sunrise: Time, 5:19 Character, Clear
Moonrise: 7:11 P.M.

Sunset: Time, 5:56 Character, Clear
Moonset: 8:12 a.m.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts.

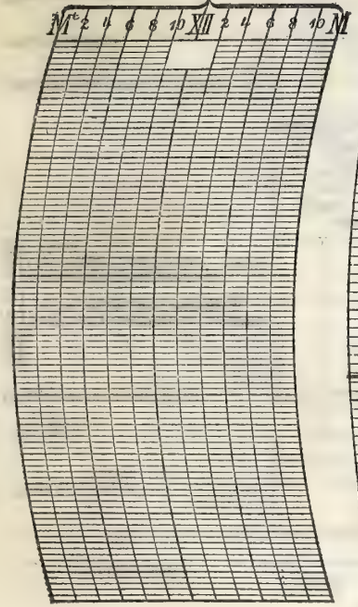
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	48	58	

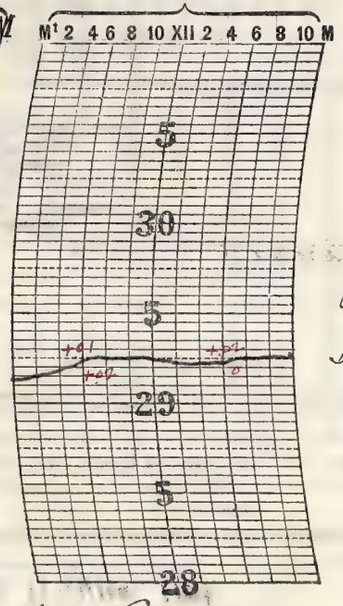
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.6 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 100
Prevailing wind direction, N Total wind 156
Average hourly velocity, 6.5 Extreme velocity, 16
Maximum velocity, 15 Direction, N.
Time began, 8:10 am.
Reduced barometer, 30.18, 7 a. m. 30.17, 7 p. m.
River gage, 1.9 ft.
Relative humidity, 78, 7 a. m. 50, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 65.4 Wet temperature, 54.5
Dew-point, 46 R. humidity, 49 V. pressure, .310
Clouds: Amount, 2; Kind, cu; Direction, N.
Velocity of clouds (miles per hour)

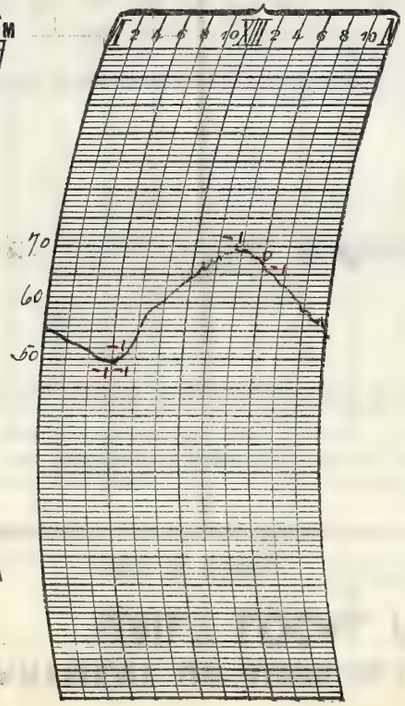
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear during both day and night with moonlight at night. Cool in morning but pleasant day temperature.

Prepared by A. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 13 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	53	52	52	51	51	55	60	63	66	68	72
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				L — Clear								
Sunrise: Time, Character, 5:20 Clear												
Moonrise: 7:53 P.M.												
Sunshine (in tenths of hours)						0.6 / 0	0.5 / 0.5	1.0	0.9	1.0	1.0	1.0
Wind direction	N	N	N	N	N	N	N	N	N	E	SE	S
Wind movement	2	1	2	1	1	1	1	2	2	4	6	4
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	74	75	76	76	71	69	68	64	61	60	58
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			X — Pt Cloudy —				X Clear		X Cloudy			
Sunset: Time, Character, 5:54 Clear												
Moonset: 9:24 AM												
Sunshine (in tenths of hours)	1.0	1.0	0.9	0.6	0.3 / 0.7	0.9 / 0						
Wind direction	S	SW	SW	S	S	E	E	E	E	E	SW	SW
Wind movement	5	5	4	4	2	2	2	1	2	4	1	2
Maximum velocities (exceeding 29 miles) direction and time												

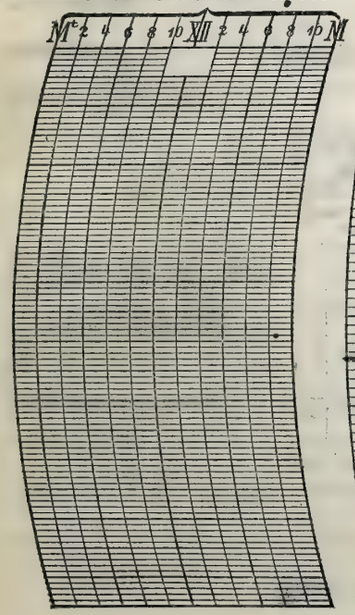
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	51	64	

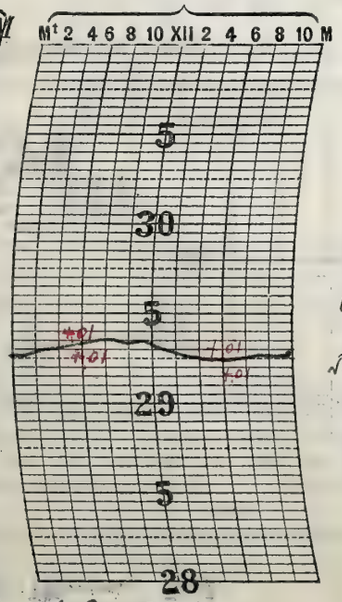
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 12.0 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 95
Prevailing wind direction, N Total wind 61
Average hourly velocity, 2.5 Extreme velocity, 8
Maximum velocity, 8 Direction, SE.
Time began, 10:13 am.
Reduced barometer, 30.27, 7 a. m. 30.18, 7 p. m.
River gage, 2.0 ft.
Relative humidity, 75, 7 a. m. 40, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 72.0 Wet temperature, 54.5
Dew-point, 39 R. humidity, 30 V. pressure, 287
Clouds: Amount, 2; Kind, a. St.; Direction, W
Velocity of clouds (miles per hour)

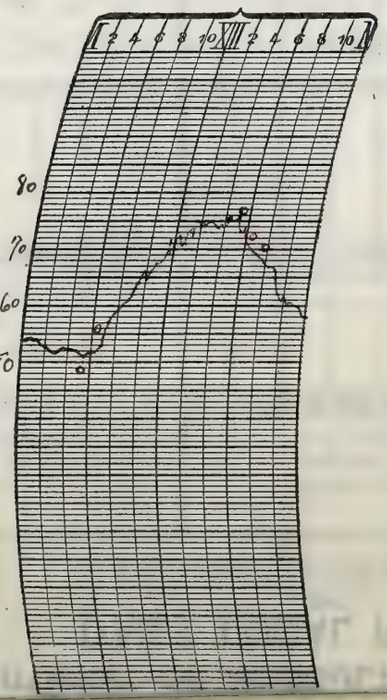
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Forenoon clear, afternoon generally partly cloudy, and late night cloudy with moonlight through the rifts in clouds. Cool in the early a.m., but pleasant day temperatures obtained.

Prepared by H. S. Baker.
Verified by P. McDonough

8—486

FORM NO. 1012—REV. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Sunday, (Date) SEP 14 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	56	55	55	54	53	54	57	63	68	71	72	75	76	76	77	76	76	75	73	72	70	69	69	68
State of weather: Nature of precipitation and time of beginning and ending																			RB 6:05 RE 6:10					
Amounts of precipitation																			T					
Cloudiness and other conditions					Cloudy				Pt. Cloudy								Cloudy							
Sunrise: Time, 5:21 Character, Cloudy																					Sunset: Time, 5:52 Character, Cloudy			
Moonrise: 8:39 P.M.																					Moonset: 10:34 A.M.			
Sunshine (in tenths of hours)						0	0	04	08	03	02	05	1.0	1.0	09	02	0	0						
Wind direction	NE	NE	NE	0	NE	0	NE	SE	SW	SW	SW	SW	SW	SW	NW	NW	N	N	N	N	NE	E	E	NE
Wind movement	3	1	1	0	1	0	1	3	5	6	6	5	4	3	4	4	3	3	3	5	5	6	4	5

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

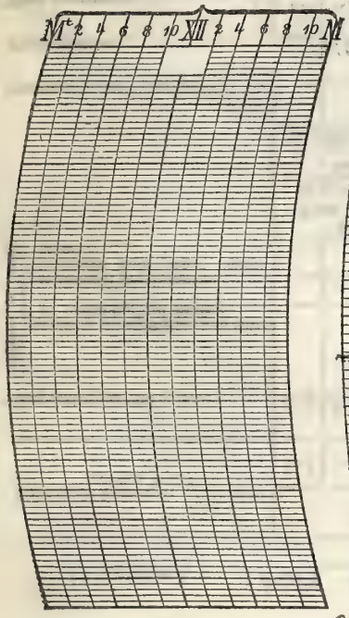
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	53	66	

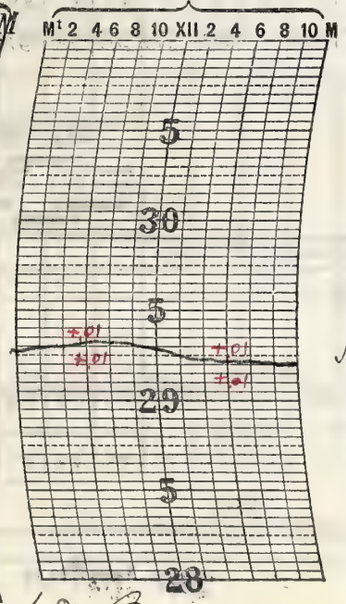
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 5.3 Possible sunshine, hours, 12.5
Per cent of possible sunshine, 42
Prevailing wind direction, NE Total wind 81
Average hourly velocity, 3.4 Extreme velocity, 9
Maximum velocity, 9 Direction, S. W
Time began, 9:56 a.m.
Reduced barometer, 30.24 7 a. m. 30.13 7 p. m.
River gage, 2.0 ft.
Relative humidity, 73 7 a. m. 33 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 75.0 Wet temperature, 56.2
Dew-point, 40 R. humidity, 29 V. pressure, .247
Clouds: Amount, 3 ; Kind, Sc Cu ; Direction, SW
Velocity of clouds (miles per hour)

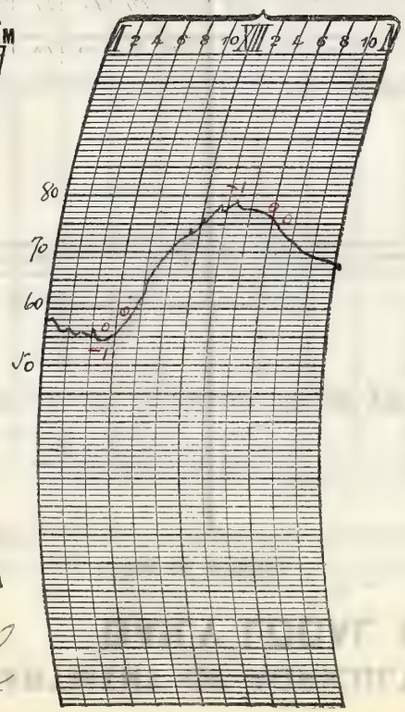
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Considerable cloudiness during the day with a few drops of rain between 6.05 pm and 6.10 pm. Mild temperatures obtained but the weather was somewhat cool in the early morning.

Prepared by N. S. Baker.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 15 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	66	65	64	64	62	63	72	78	79	81	80
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Partly Cloudy						0	1
Sunshine (in tenths of hours)						0	0	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	NE	0	NE	W	W	W	NW
Wind movement	4	5	3	3	1	1	0	2	9	11	14	16

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	80	78	77	75	74	71	68	66	64	63	61
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.1 0.9	0.8 0						
Wind direction	W	NW	NW	NW	NW	NW	N	N	N	N	N	NW
Wind movement	15	18	20	18	15	10	5	5	5	5	4	3

Sunrise: Time, 5:21; Character, Cloudy. Moonrise: 9:33 P.M.

Sunset: Time, 5:51; Character, Clear. Moonset: — — —

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

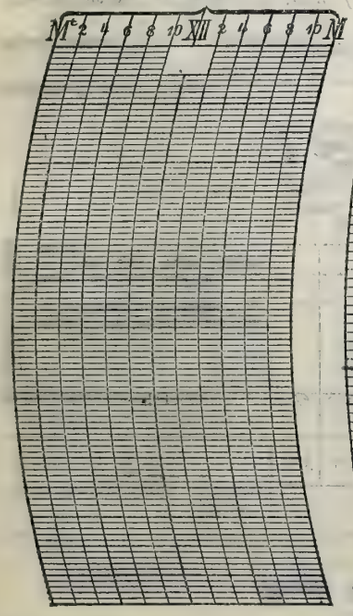
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	61	71	

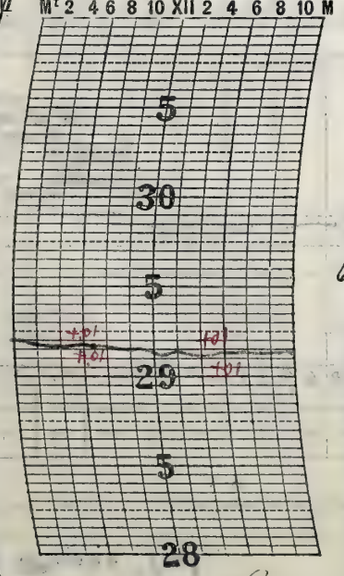
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 10.8 Possible sunshine, hours, 12.5
Per cent of possible sunshine, 86
Prevailing wind direction, NE-NW Total wind 192
Average hourly velocity, 8.0 Extreme velocity, 26
Maximum velocity, 24 Direction, NW.
Time began, 2:24 p.m.
Reduced barometer, 30.07 7 a. m. 30.04 7 p. m.
River gage, 2.0 ft.
Relative humidity, 67 7 a. m. 49 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 80.0 Wet temperature, 62.0
Dew-point, 50 R. humidity, 35 V. pressure, .360
Clouds: Amount, 2; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

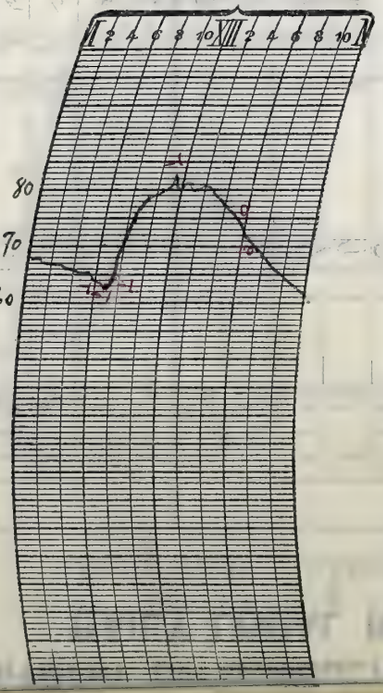
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Decreasing cloudiness from the early morning - Moderate temperature but somewhat muggy during the middle hours.

Prepared by L. P. McDonough

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 1 6 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	57	56	56	55	55	57	64	68	70	72	73
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Clear →											
Sunshine (in tenths of hours)						0.63 0	1.0 0	0.7	1.0	0.8	0.9	1.0
Wind direction	NW	NW	NW	NW	NW	W	NW	NW	NW	NW	W	NW
Wind movement	4	3	4	5	4	4	4	3	5	7	9	12
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	76	77	76	75	72	68	65	62	59	59	59
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Clear →											
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.2 0.8	0.82 0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	13	13	12	13	13	9	9	7	5	4	5	6
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 5:22 Character, Clear
Moonrise: 10:31 P.m.
Sunset: Time, 5:49 Character, Clear
Moonset: 12:43 P.m.

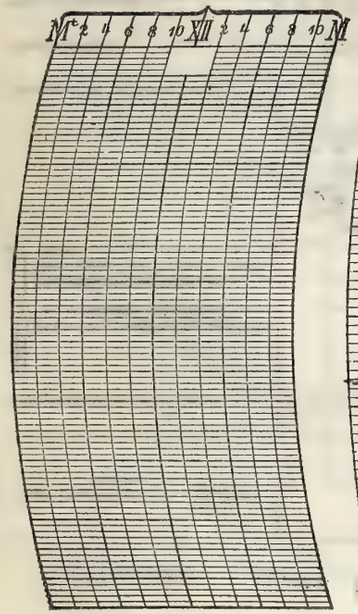
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
77	55	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, Last quarter 3:32 P.M.
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 11.8 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 95
Prevailing wind direction, NW Total wind 173
Average hourly velocity, 7.2 Extreme velocity, 20
Maximum velocity, 17 Direction, NW.
Time began, 2:55 p.m.
Reduced barometer, 30.07, 7 a. m. 30.03, 7, p. m.
River gage, 2.0 ft
Relative humidity, 88, 7 a. m. 52, 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 73.5 Wet temperature, 59.5
Dew-point, 50 R. humidity, 44 V. pressure, 360
Clouds: Amount, 5; Kind, cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



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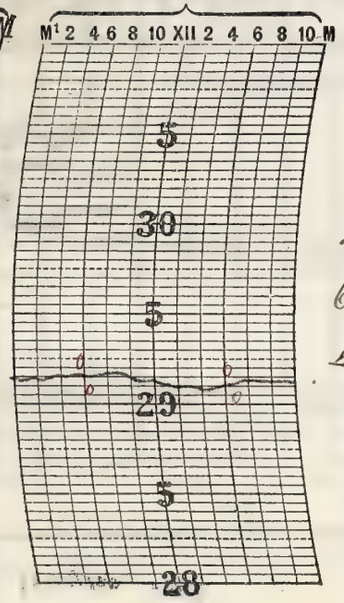

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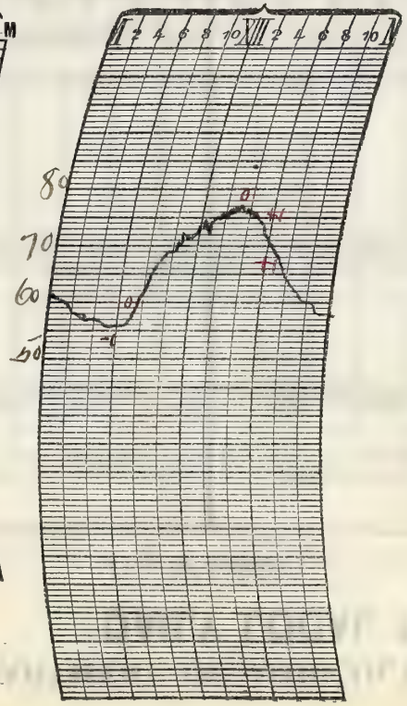


NOTES.

Except that the weather was partly cloudy during the midday hours, the day was generally clear and pleasant.

Prepared by J. P. McDonough
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) _____, (Date) SEP 17 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	57	57	56	56	54	60	63	72	74	75	76
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						→
Sunrise: Time, Character,	5:23 Clear											
Moonrise:	11:34 P.M.											
Sunshine (in tenths of hours)						0.62 0	0.05 0.4	0.7	1.0	1.0	1.0	1.0
Wind direction	N	NW	NW	NW	NW	NW	O	NW	NW	SW	W	NW
Wind movement	4	4	3	1	2	2	0	2	3	6	7	7
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	76	77	76	75	73	72	70	69	67	66	64
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Pt. Cloudy				→	← Cloudy						→
Sunrise: Time, Character,									Sunset: Time, Character, 5:47 Cloudy			
Moonrise:									Moonset: 1:36 P.M.			
Sunshine (in tenths of hours)	1.0	1.0	0.8	0	0	0						
Wind direction	W	NW	NW	W	W	W	NW	NW	NW	NE	E	E
Wind movement	9	9	8	9	6	3	3	3	4	7	7	6
Maximum velocities (exceeding 29 miles) direction and time												

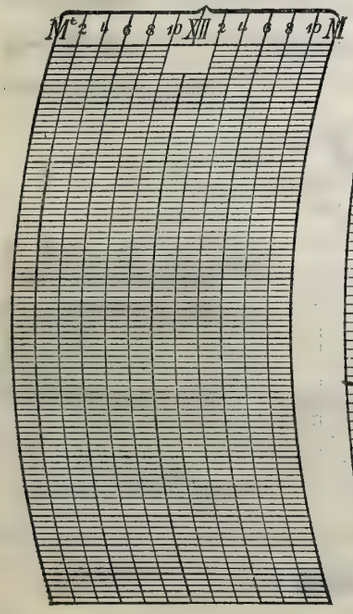
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
77	54	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase, _____
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 9.0 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 73
Prevailing wind direction, NW Total wind 115
Average hourly velocity, 4.8 Extreme velocity, 12
Maximum velocity, 12 Direction, NW
Time began, 11:25 P.M.
Reduced barometer, 30.06, 7 a. m. 30.02, 7 p. m.
River gage, 2.0 ft.
Relative humidity, 65, 7 a. m. 53, 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 76.0 Wet temperature, 59.2
Dew-point, 47 R. humidity, 36 V. pressure, .322
Clouds: Amount, 3; Kind, Cu St; Direction, NW
Velocity of clouds (miles per hour)

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

THERMOGRAPH.



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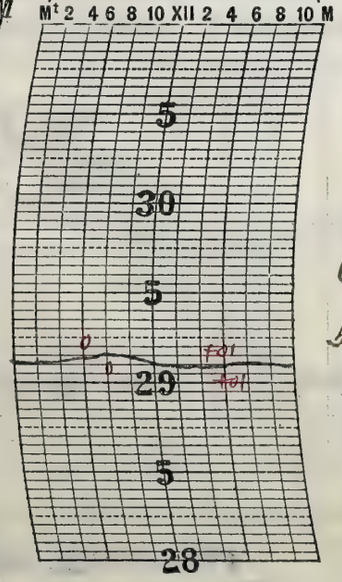

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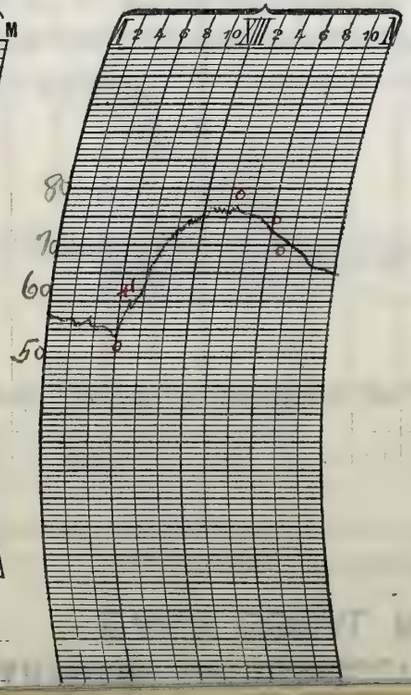


NOTES.

Increasing Cloudiness after the 8 A.M. observation, the afternoon and night being somewhat threatening. Pleasant temperatures obtained.

Prepared by P. McDonough
Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 18 1919, 191

Time (local standard). 90 mer. normal time

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	64	62	64	65	65	65	66	68	69	68	70
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0.5
Wind direction	E	E	E	SE	SE	SE	S	S	S	S	SW	S
Wind movement	4	5	3	6	6	6	7	7	7	10	12	13

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	68	69	69	69	69	69	69	69	69	69	69
Nature of precipitation and time of beginning and ending	RB	1:50	–	–	–	RE	6:15					
Amounts of precipitation		T	T	T	T	T	T					
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	S	S	S	S	SE	S	SE	SE	SE	SE	SE	SE
Wind movement	11	14	10	8	6	4	5	6	9	10	12	9

State of weather.

Sunrise: Time, 5:24 Character, Cloudy

Moonrise: – – –

Sunset: Time, 5:46 Character, Cloudy

Moonset: 2:33 P.M.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
71	62	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.5 Possible sunshine, hours, 12.4

Per cent of possible sunshine, 4

Prevailing wind direction, SE-S Total wind 190

Average hourly velocity, 7.9 Extreme velocity, 17

Maximum velocity, 16 Direction, SE

Time began, 1:36 P.M.

Reduced barometer, 30.01 7 a. m. 29.85 7 p. m.

River gage, 1.9 ft.

Relative humidity, 70 7 a. m. 61 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)

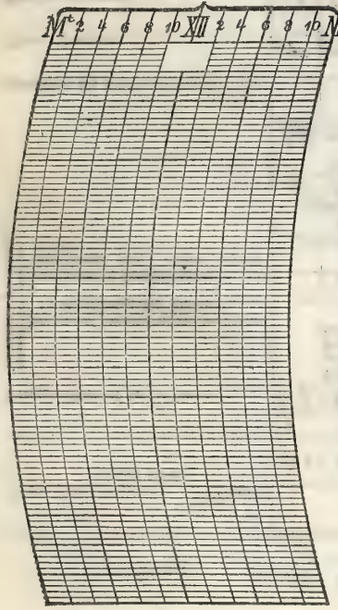
Dry temperature, 71.0 Wet temperature, 60.2

Dew-point, 53 R. humidity, 53 V. pressure, .402

Clouds: Amount, 10; Kind, Strat.; Direction, S

Velocity of clouds (miles per hour)

THERMOGRAPH.



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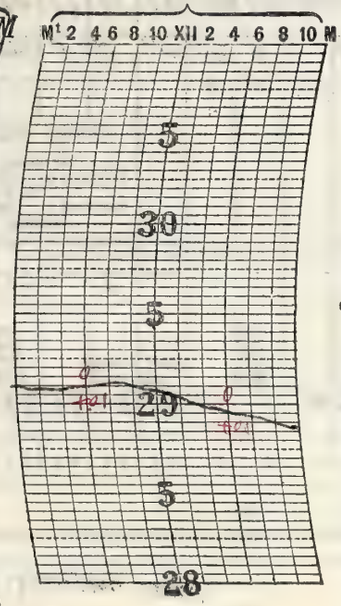

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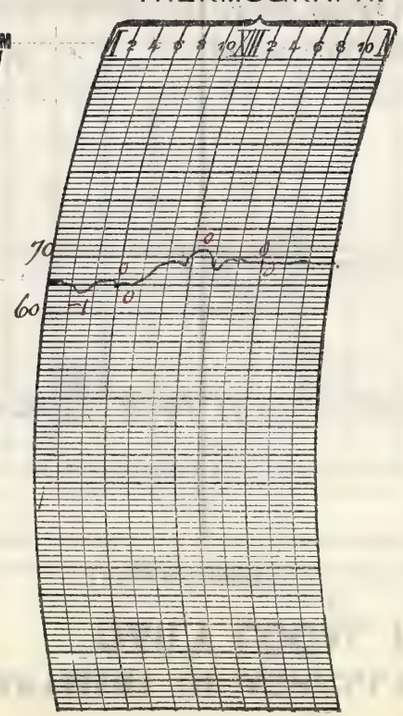


NOTES.

Cloudy with moderate temperature.
Drizzling rain in the afternoon.

Prepared by } P. M. Donough
Verified by }

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 19 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	68	68	65	66	68	71	74	74	71	72	69
Nature of precipitation and time of beginning and ending		RB 115 RE 130		RB 820	RE 435		RB 608 RE 615			RB 901	--	--
Amounts of precipitation		T		T	T		T			.01	T	.01
Cloudiness and other conditions		L										Cloudy

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	67	70	71	74	74	73	70	69	69	68	67
Nature of precipitation and time of beginning and ending	--	--	RE 265									
Amounts of precipitation	.14	.03	.01									
Cloudiness and other conditions	Cloudy								Clear			

State of weather.

Sunrise: Time, 5:26 Character, Cloudy

Moonrise: 12:40 am

Sunset: Time, 5:44 Character, Cloudy

Moonset: 3:03 pm

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						0	0	0.2	0	0	0	0
Wind direction	SE	SE	S	S	SE	SE	S	S	S	S	S	S
Wind movement	9	10	11	11	13	14	18	24	24	24	24	27
Maximum velocities (exceeding 29 miles) direction and time								30 S 750				

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	67	70	71	74	74	73	70	69	69	68	67
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	25	25	22	20	19	14	9	9	7	9	8	9

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
74	65	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., .10 ins.

Total precipitation, midnight to midnight, 0.10 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 0.2 Possible sunshine, hours, 12.3

Per cent of possible sunshine, 2

Prevailing wind direction, SW Total wind 380

Average hourly velocity, 15.8 Extreme velocity, 31

Maximum velocity, 30 Direction, S

Time began, 750 am

Reduced barometer, 29.59 7 a. m. 29.72 7 p. m.

River gage, 12 feet

Relative humidity, 67 7 a. m. 75 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 pm (Local Mean Time.)

Dry temperature, 68.0 Wet temperature, 67.3

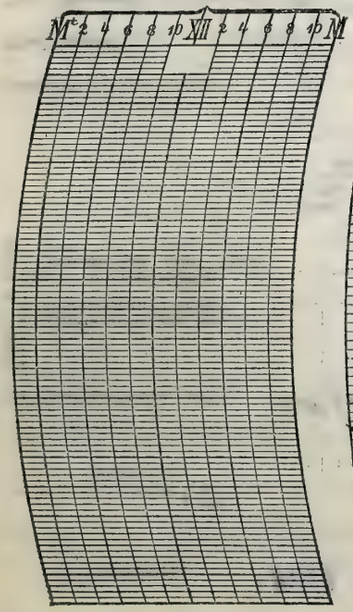
Dew-point, 67 R. humidity, 96 V. pressure, .661

Clouds: Amount, 10; Kind, Nb; Direction, SW

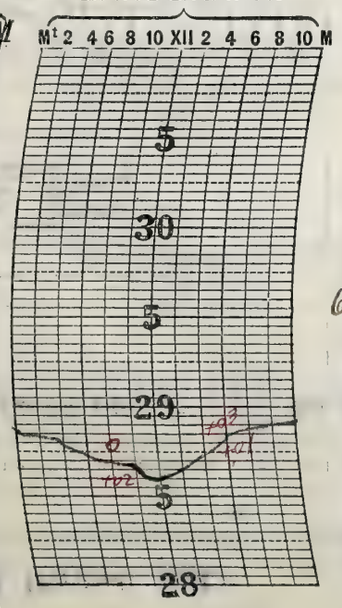
Velocity of clouds (miles per hour)

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

THERMOGRAPH.



BAROGRAPH.



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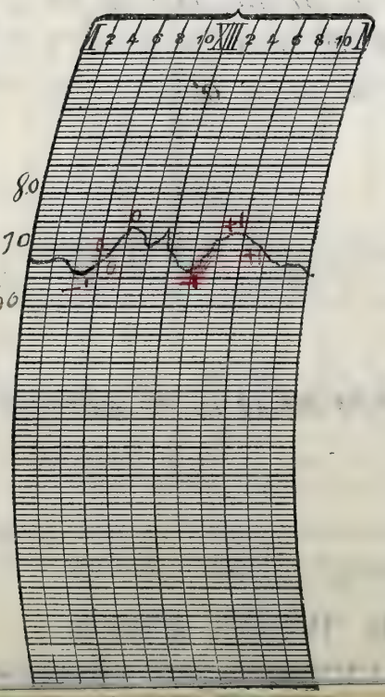


NOTES.

Rain began in the early morning and continued intermittently until 250 pm. Day cloudy, but clouds began to break up in the late pm, the night being clear. Moderate temperature & humid.

Prepared by P. McDonough

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 20 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	64	63	63	62	62	65	72	76	81	84	86	87	88	87	86	85	83	72	78	78	73	73	73
State of weather: Nature of precipitation and time of beginning and ending																			RB 600 RE 620	RB 7:35 RE 740				
Amounts of precipitation																			T	T				
Cloudiness and other conditions			Clear												Pt. cldy			Cloudy			Clear			
Sunrise: Time, 5:27 Character, Clear																					Sunset: Time, 5:42 Character, Cloudy			
Moonrise: 1:46 am																					Moonset: 3:38 P.M.			
Sunshine (in tenths of hours)						0.55 0	0.6 0.4	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	SW	S	S	SW	SW	SW	S	S	S	S.
Wind movement	7	10	9	9	10	10	9	10	10	11	14	17	16	19	20	19	18	21	16	12	13	13	17	14
Maximum velocities (exceeding 29 miles) direction and time																		30 SW 5:44						

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

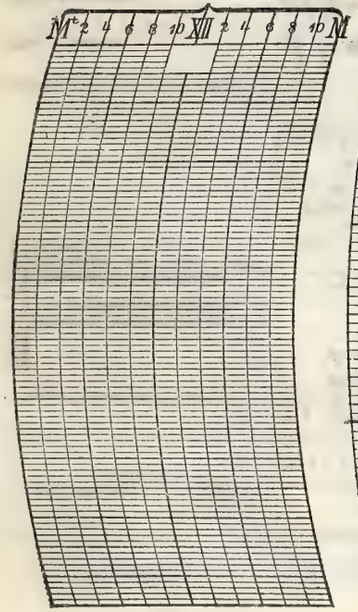
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	62	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 9.6 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 79
Prevailing wind direction, SW Total wind 319
Average hourly velocity, 13.3 Extreme velocity, 34
Maximum velocity, 30 Direction, SW
Time began, 5:44 pm
Reduced barometer, 29.91 7 a. m. 29.83 7 p. m.
River gage, 1.9 fall
Relative humidity, 86 7 a. m. 76 7 p. m.

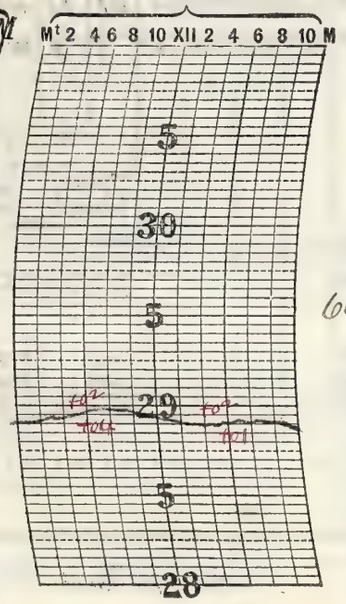
OBSERVATIONS AT ~~12 NOON.~~ 12:38 PM
(Local Mean Time.)

Dry temperature, 87.4 Wet temperature, 71.4
Dew-point, 64 R. humidity, 46 V. pressure, .595
Clouds: Amount, 3; Kind, Cu.; Direction, SW
Velocity of clouds (miles per hour)

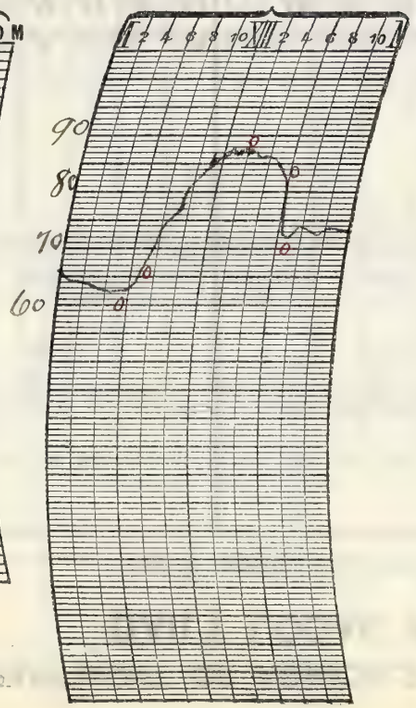
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Increasing Cloudiness after the a. m. observation, threatening in the late afternoon, with a sprinkling of rain in the evening. Lightening in the west at 6:00 pm. Day warm and muggy.

Prepared by
Verified by F. J. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 21 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	69	69	70	72	72	73	74	72	71	71	71
State of weather: Nature of precipitation and time of beginning and ending		RB A.N.		RE D.N.					RB 8:45	--	--	—
Amounts of precipitation		.47	.10	T					.02	.41	.40	.23
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	5:27 Cloudy											
Moonrise:	2:51 am											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	S	SW	S	S	SW	SW	SW	SW	S	S	S	SW
Wind movement	13	14	11	12	12	14	15	12	16	18	16	21

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	69	69	69	70	70	68	68	68	67	67	67
State of weather: Nature of precipitation and time of beginning and ending	--	--	--	RE 3:50		RB 5:20	--	RE 7:40				
Amounts of precipitation	09	.05	T	01		T	.05	.01				
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									5:41 Cloudy			
Moonset:									4:09 pm			
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	SW	W	W	W
Wind movement	17	19	12	17	11	10	8	5	6	8	9	7

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

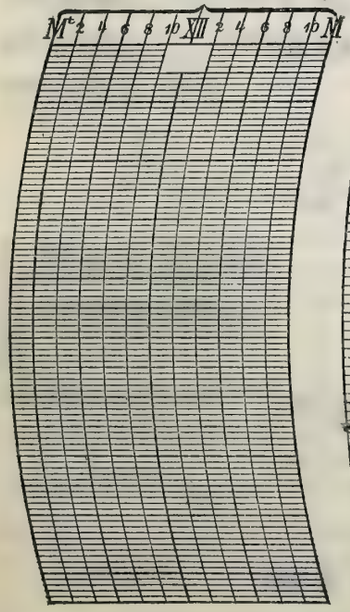
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
74	67	70	

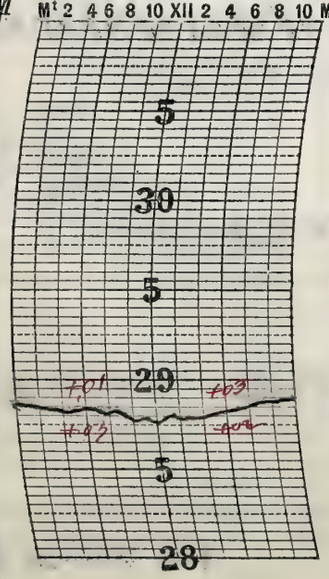
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .57 ins.; to 7 p. m. 1.25 ins.
Total precipitation, midnight to midnight, 1.84 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.0 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 298
Average hourly velocity, 12.4 Extreme velocity, 26
Maximum velocity, 25 Direction, S
Time began, 10:52 am
Reduced barometer, 29.73 7 a. m. 29.74 7 p. m.
River gage, 20 feet
Relative humidity, 83 7 a. m. 96 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)
Dry temperature, 72.0 Wet temperature, 70.4
Dew-point, 70 R. humidity, 93 V. pressure, .737
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

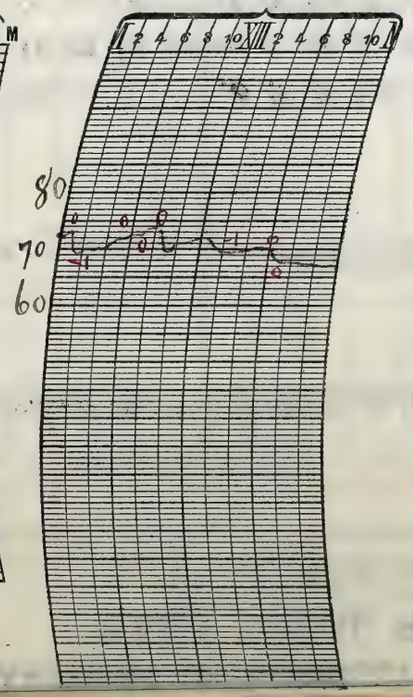
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Moderate temperatures and cloudy, with copious rains - Weather quite unpleasant.

One peal of thunder was heard at 11:15 am

Prepared by
Verified by } P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 22 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	65	65	60	60	59	58	59	62	64	67	68	69	69	70	70	68	67	64	62	61	60	60	60
State of weather: Nature of precipitation and time of beginning and ending						RB 535	RE 610																	
Amounts of precipitation						T	T																	
Cloudiness and other conditions	L	—	Cloudy										Pt. Cloudy											

Sunrise: Time, 5:28; Character, Cloudy. Moonrise: 3:55 am

Sunset: Time, 5:39; Character, Cloudy. Moonset: 4:38 P.M.

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						0	0	0	03	06	10	10	10	10	10	08	06	0						
Wind direction	SW	SW	W	NW	NW	NW	NW	N	NW	NW	N	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	6	9	12	16	13	8	8	6	9	12	10	11	10	11	9	8	8	6	5	6	8	6	4	3
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	58	64	

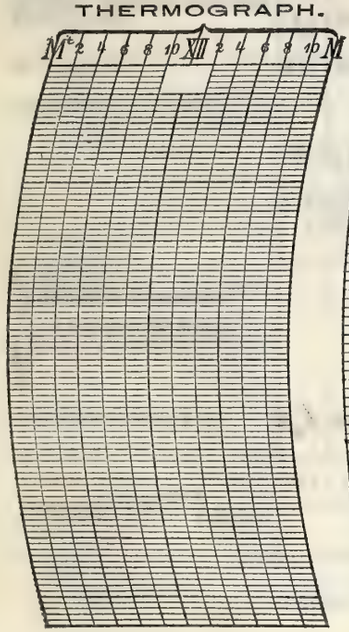
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 7 inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 7.3 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 60
Prevailing wind direction, NW Total wind 204
Average hourly velocity, 8.5 Extreme velocity, 23
Maximum velocity, 22 Direction, NW
Time began, 3:08 am
Reduced barometer, 29.98 7 a. m. 30.06 7 p. m.
River gage, 2.4 feet
Relative humidity, 83 7 a. m. 64 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

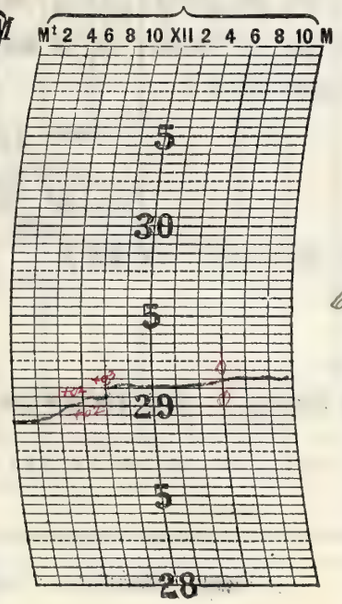
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M. (Local Mean Time.)

Dry temperature, 68.0 Wet temperature, 58.1
Dew-point 52 R. humidity, 59 V. pressure, .387
Clouds: Amount, 5 ; Kind, Ci. Sy. Cu. ; Direction, NE
Velocity of clouds (miles per hour)

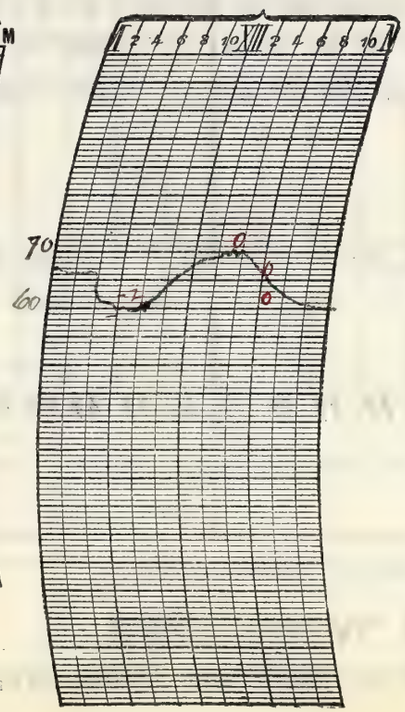
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cloudy in the early morning but day largely partly cloudy. Moderate temperatures obtained - Weather, as a rule, quite pleasant

Prepared by
Verified by J. P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 23 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	59	58	58	58	57	56	56	59	63	64	66	67	68	68	68	66	64	63	60	58	56	55	54	54
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions			Pt. Cloudy					Clear				Pt. Cloudy						Clear						

Sunrise: Time, 529 Character, Cloudy
Moonrise: 4:58 am

Sunset: Time, 537 Character, Clear
Moonset: 5:07 pm

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)						0	0	0.5	1.0	0.9	1.0	0.8	0.9	0.7	0.7	0.1 0.7	1.0 0	0.62 0						
Wind direction	NW	NW	W	W	W	W	W	W	W	NW	W	W	W	W	W	W	W	W	W	W	SW	SW	SW	SW
Wind movement	2	4	4	5	6	5	5	5	8	9	10	12	13	13	14	13	14	9	8	8	9	11	10	12
Maximum velocities (exceeding 24 miles) direction and time																								

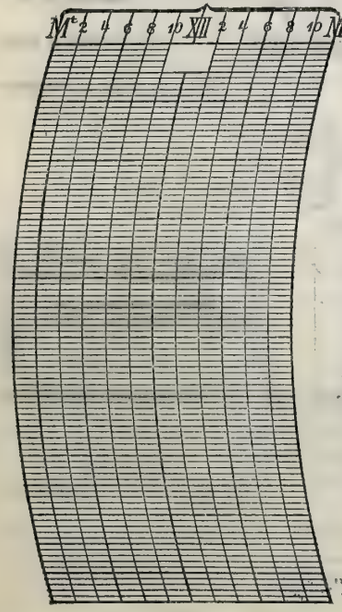
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
68	54	61	

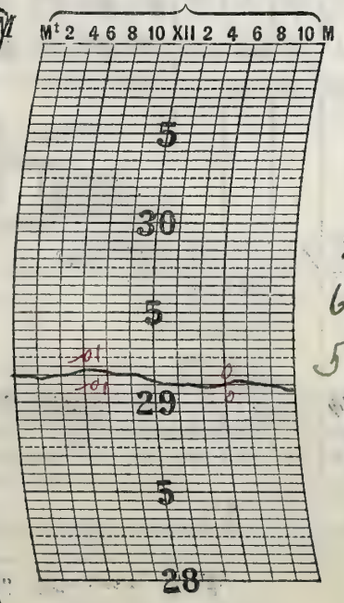
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day Pt. Cloudy Moon phase, New moon 10 34 pm
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 8.9 Possible sunshine, hours, 12.1
Per cent of possible sunshine, 74
Prevailing wind direction, W Total wind 209
Average hourly velocity, 8.7 Extreme velocity, 17
Maximum velocity, 16 Direction, W
Time began, 140 P.M.
Reduced barometer, 30.09 7 a. m. 30.03 7, p. m.
River gage, 2.
Relative humidity, 82 7 a. m. 62 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12.38 pm.
(Local Mean Time.)
Dry temperature, 67.0 Wet temperature, 53.8
Dew-point, 43 R. humidity, 41 V. pressure, .277
Clouds: Amount, 5; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

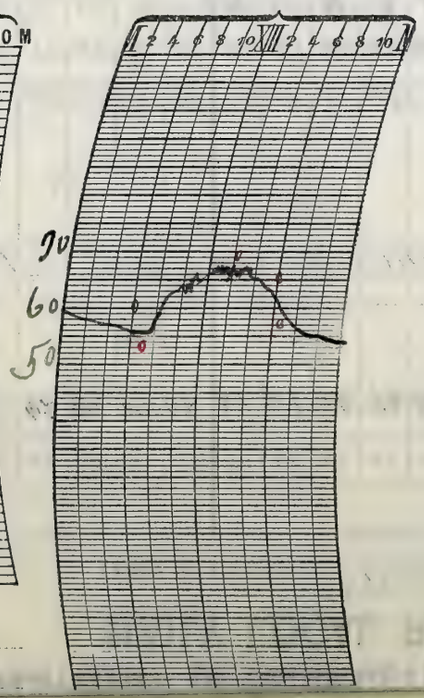
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather during the day was exceptionally fine.
Equinox Commenced 8:36 pm

Prepared by
Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 24 1919, 191

Time (local standard) 90th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	55	55	54	53	53	55	59	63	67	69	72	73	74	74	75	74	71	69	66	64	64	63	62
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Clear																							
Sunrise: Time, 5.30 Character, Clear																					Sunset: Time, 5.36 Character, Clear			
Moonrise: 5.59 am																					Moonset: 5.35 pm			
Sunshine (in tenths of hours)						050 0	0.7 0.3	10	10	10	10	10	10	10	10	08	04 06	060 0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W	W	W	W	W	SW	SW	SW	SW	SW	SW
Wind movement	12	13	14	13	13	11	12	12	12	11	12	12	16	18	18	16	14	10	8	10	10	13	12	13
Maximum velocities (exceeding 29 miles) direction and time																								

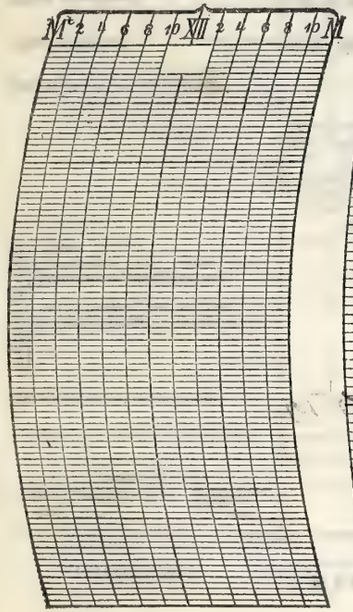
	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
75	53	64	

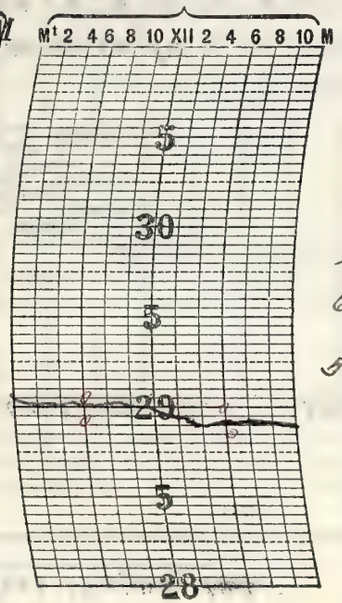
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 11.9 Possible sunshine, hours, 12.1
Per cent of possible sunshine, 98
Prevailing wind direction, SW Total wind 305
Average hourly velocity, 12.7 Extreme velocity, 23
Maximum velocity, 22 Direction, W
Time began, 1:12 P.M.
Reduced barometer, 29.92 7 a. m. 29.82 7 p. m.
River gage, 3.4 feet
Relative humidity, 44 7 a. m. 54 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 72.0 Wet temperature, 57.1
Dew-point, 46 R. humidity, 42 V. pressure, .310
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

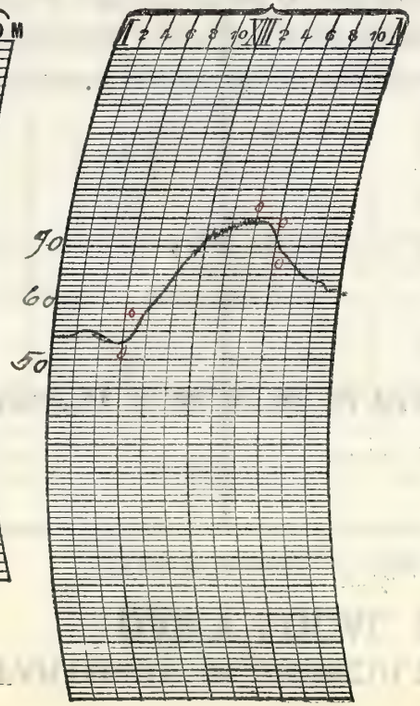
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and fine weather

Prepared by
Verified by } O. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 25 1919, 191

Time (local standard). 90" mer. normal time

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	60	58	58	58	58	58	59	59	60	60	62
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunrise: Time, Character	5:31 Cloudy											
Moonrise	6:59 am											
Sunshine (in tenths of hours)						6	0.6 6	10	10	10	10	10
Wind direction	SW	SW	SW	SW	SW	W	W	NW	NW	NW	NW	NW
Wind movement	13	13	13	13	9	10	8	15	14	13	15	14
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	63	63	61	59	57	54	52	50	49	49	48
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunset: Time, Character									5:34 Clear			
Moonset									6:04 P.m.			
Sunshine (in tenths of hours)	10	10	10	10	0.4 4	0.7 0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N	N
Wind movement	14	14	14	14	13	10	8	7	7	5	2	3
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	48	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 11.2 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 93
Prevailing wind direction, NW Total wind 261
Average hourly velocity, 10.9 Extreme velocity, 21
Maximum velocity, 20 Direction, NW
Time began, 7:23 am
Reduced barometer, 29.82 7 a. m. 30.03 7, p. m.
River gage, 3.2 ft
Relative humidity, 7 a. m. 59 7 p. m.

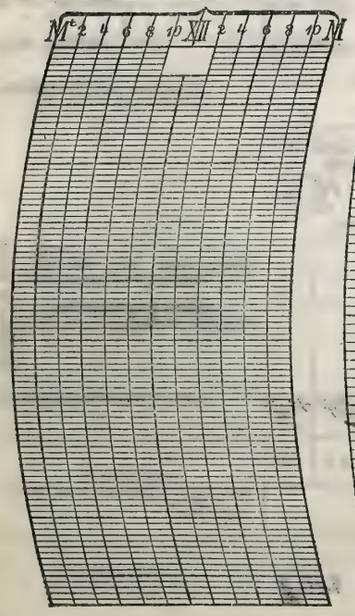
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

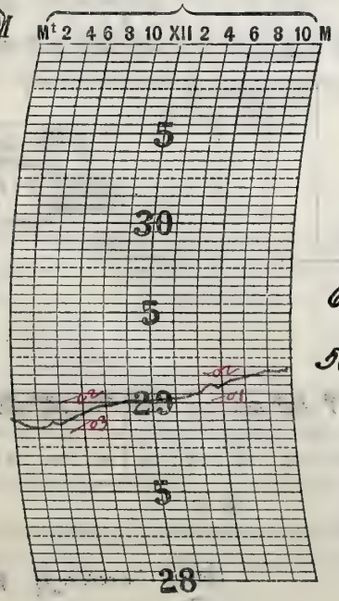
OBSERVATIONS AT ~~12 NOON~~ 12:38 p.m. (Local Mean Time.)

Dry temperature 63.3 Wet temperature, 52.8
Dew-point, 44 R. humidity, 49 V. pressure, .287
Clouds: Amount, 2; Kind, cirst cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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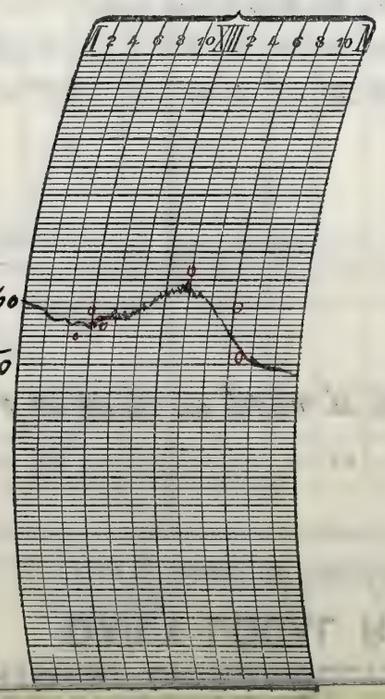


NOTES.

Generally clear and fine weather, but temperatures somewhat below the normal.

Prepared by P. McDonough

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 26 1919, 191

Time (local standard), 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	45	44	42	43	44	46	53	56	57	59	62	63	65	66	65	65	63	61	59	58	57	56	55
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
Sunshine (in tenths of hours)						0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0						
Wind direction	N	N	N	0	N	N	N	E	SE	E	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	S
Wind movement	1	2	1	0	2	1	3	6	6	8	8	7	7	7	8	7	7	6	4	4	6	7	8	7
Maximum velocities (exceeding 29 miles) direction and time																								

Clear

Sunrise: Time, 5:32 Character, Clear

Moonrise: 7:59 am

Sunset: Time, 5:32 Character, Clear

Moonset: 6:36 p.m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
66	42	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), Few

Actual sunshine, hours, 12.0 Possible sunshine, hours, 12.0

Per cent of possible sunshine, 100

Prevailing wind direction, SE Total wind 173

Average hourly velocity, 5.1 Extreme velocity, 12

Maximum velocity, 12 Direction, E

Time began, 9:49 am

Reduced barometer, 30.19 7 a. m. 30.12 7, p. m.

River gage, 2.7 feet

Relative humidity, 72 7 a. m. 38 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m. (Local Mean Time,)

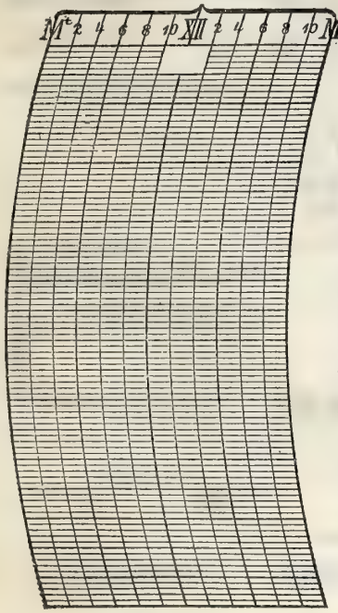
Dry temperature, 63.0 Wet temperature, 48.0

Dew-point, 31 R. humidity, 40 V. pressure, .172

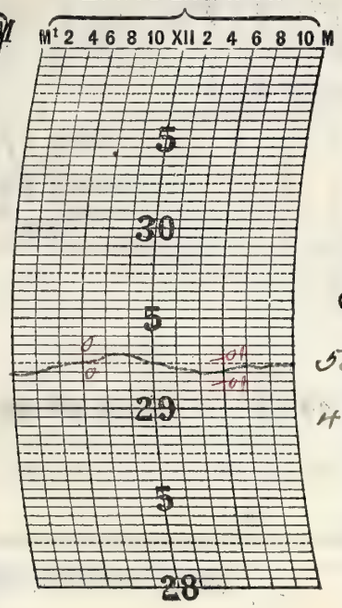
Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

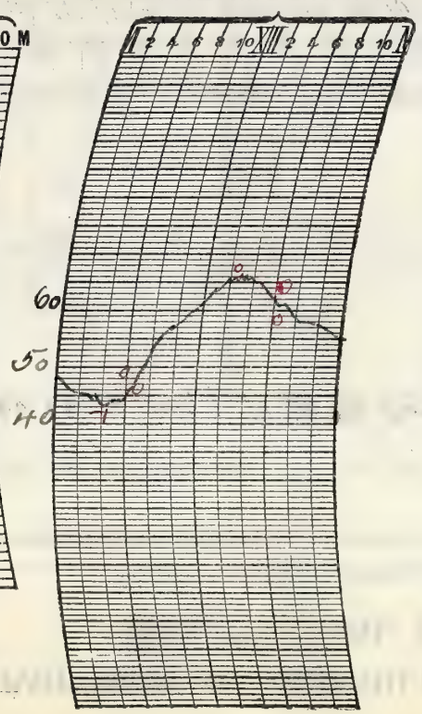
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and fine weather
Light dew in the early morning

Prepared by L. J. McDonough

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 27 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	52	51	51	50	50	53	60	66	70	74	77	78	79	80	80	78	75	73	69	66	65	63	63
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				←							Clear										→			
Sunshine (in tenths of hours)						0.45 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5 0.5	0.5 0						
Wind direction	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	6	6	5	5	5	6	6	10	11	11	9	8	10	11	12	10	7	6	7	7	6	5	5	3
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5:33 Character, Clear
Moonrise: 8:57 am.
Sunset: Time, 5:30 Character, Clear
Moonset: 7:10 p.m.

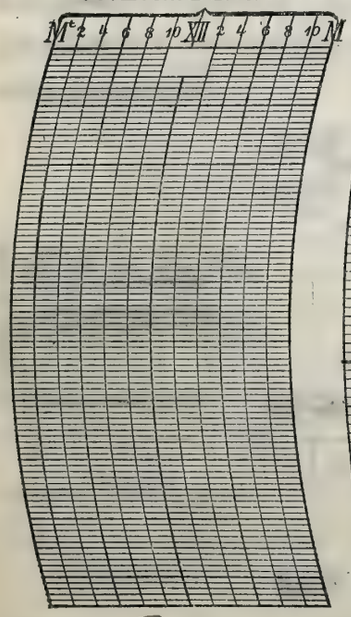
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	50	65	

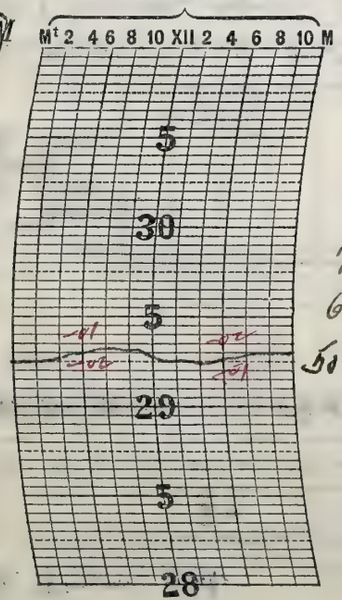
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., — inches.
Total snowfall, midnight to midnight, — inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), FEW
Actual sunshine, hours, 12.0 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 100
Prevailing wind direction, S Total wind 178
Average hourly velocity, 7.4 Extreme velocity, 15
Maximum velocity, 14 Direction, S
Time began, 2:29 P.M.
Reduced barometer, 30.21 7 a. m. 30.16 7 p. m.
River gage, 2.5 ft
Relative humidity, 65 7 a. m. 29 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)
Dry temperature, 78.0 Wet temperature, 56.0
Dew-point, 36 R. humidity, 22 V. pressure, .211
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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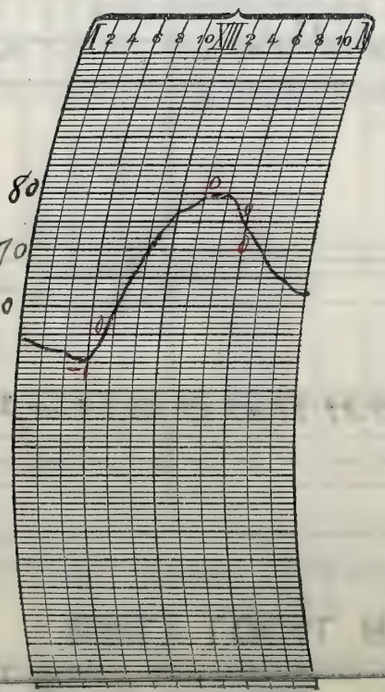


NOTES.

Clear, fine weather

Prepared by J. McDonough

Verified by

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 28 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	60	58	58	60	58	61	69	77	80	81	82	83	84	82	81	79	78	76	75	74	73	73	73
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions			L	Clear					H	Pt. Cldy			L			Cloudy					L			
Sunshine (in tenths of hours)						0	0 (0.5)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0	0	0						
Wind direction	S	S	S	S	S	S	S	S	S	S	S	SW	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	3	3	3	3	4	5	4	5	6	11	15	17	16	16	19	14	11	9	9	12	12	12	14	14
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5:35; Character, Cloudy. Moonrise: 9:53 am

Sunset: Time, 5:29; Character, Cloudy. Moonset: 7:49 pm

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

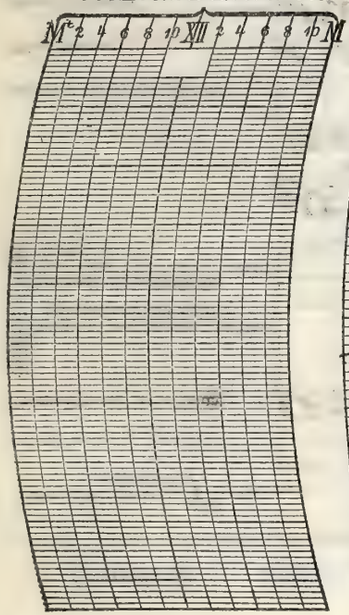
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	57	71	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 7.9 Possible sunshine, hours, 11.9
Per cent of possible sunshine, 66
Prevailing wind direction, S Total wind 237
Average hourly velocity, 9.9 Extreme velocity, 23
Maximum velocity, 22 Direction, SW
Time began, 2:41 pm
Reduced barometer, 30.22 7 a. m. 30.12 7 p. m.
River gage, 2.3 feet
Relative humidity, 56 7 a. m. 46 7 p. m.

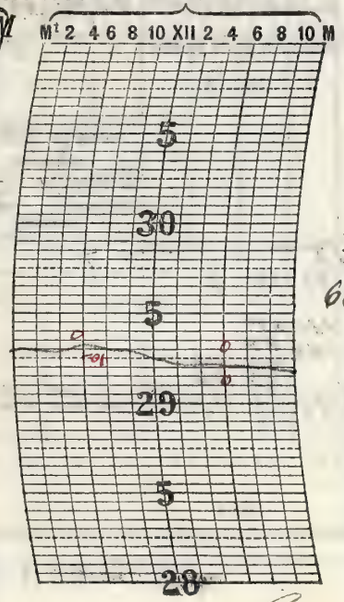
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M. (Local Mean Time.)

Dry temperature, 83.0 Wet temperature, 63.0
Dew-point, 50 R. humidity, 32 V. pressure, .360
Clouds: Amount, 6 2; Kind, Ci St Cu; Direction, W SW
Velocity of clouds (miles per hour)

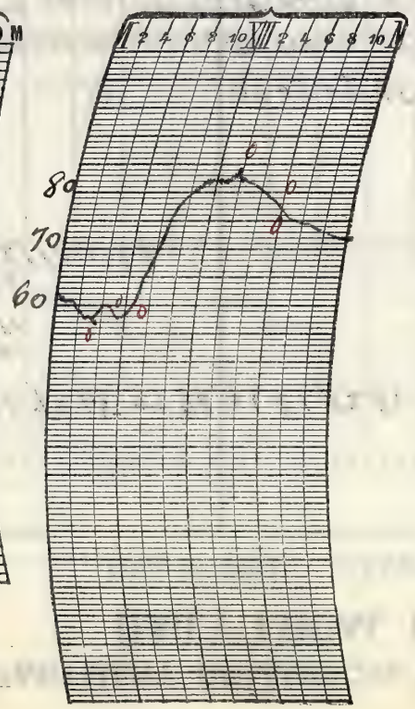
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear in the early part of the day but afternoon and early night Cloudy. Quite warm and pleasant.

Prepared by J. C. McDonough

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 29 1919, 191

Time (local standard) 90 mer. normal time

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	71	72	71	70	69	67	66	72	75	77	78
Nature of precipitation and time of beginning and ending						T/B 547	RE 620 B 655	RE 750				
Amounts of precipitation						T	.05	.08				
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)						0	0	0	0	0.3	0.5	0.2
Wind direction	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	15	15	16	16	15	13	12	13	12	13	15	16

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	81	81	82	81	77	75	71	66	65	64	62	61
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear			Cloudy			
Sunshine (in tenths of hours)	0.3	0.7	0.9	0.5	0.1	0						
Wind direction	SW	SW	SW	SW	SW	NW	NW	NW	N	N	N	N
Wind movement	15	14	13	15	11	11	11	9	10	6	6	7

State of weather.

Sunrise: Time, 536 Character, Cloudy

Moonrise: 10:46 am

Sunset: Time, 527 Character, Cloudy

Moonset: 8:32 p.m.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	61	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., .13 ins.

Total precipitation, midnight to midnight, 0.13 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 3.5 Possible sunshine, hours, 11.8

Per cent of possible sunshine, 30

Prevailing wind direction, SW Total wind 302

Average hourly velocity, 12.6 Extreme velocity, 21

Maximum velocity, 20 Direction, SW

Time began, 10:12 am

Reduced barometer, 30.06 7 a. m. 30.12 7 p. m.

River gage, 2.3 fall

Relative humidity, 76 7 a. m. 82 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

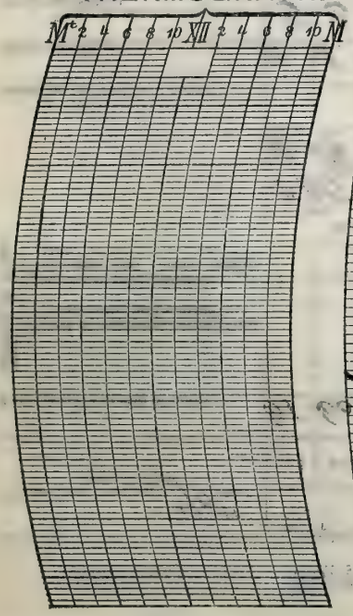
Dry temperature, 78.0 Wet temperature, 70.2

Dew-point, 66 R. humidity, 68 V. pressure, 638.

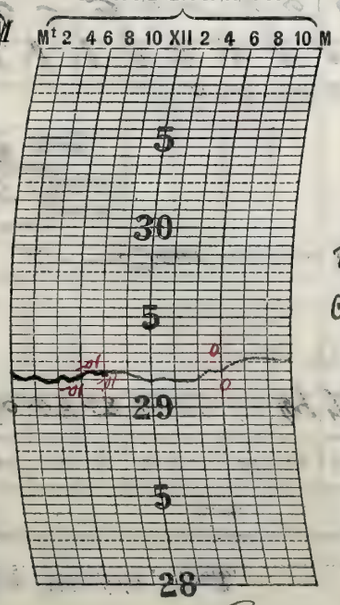
Clouds: Amount, 9; Kind, Strat; Direction, W

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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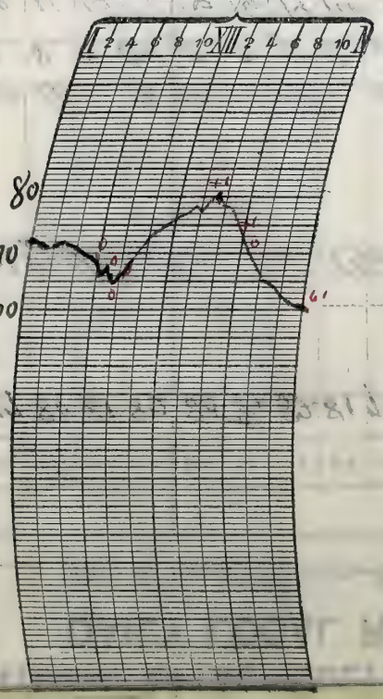


NOTES.

Generally cloudy weather with a shower in the early part of the day. A mild thunderstorm occurred between 7:07 am and 7:50 am. It moved from the Southwest. Moderate temperatures obtained.

Prepared by J. P. McDonough

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 30 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	60	60	59	58	56	54	53	52	52	52	53
State of weather: Nature of precipitation and time of beginning and ending							RB 630	- - -	- - -	- - -	- - -	- - -
Amounts of precipitation							T	T	.11	.04	.10	.08
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	N	N	N	N	NE	NE	NE	NE	NE	NE	E	E
Wind movement	4	6	6	7	10	12	11	9	11	12	10	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	58	59	59	58	57	56	57	57	56	56	56
State of weather: Nature of precipitation and time of beginning and ending	RE 1210						RB 630	RE 7:15				
Amounts of precipitation	T						T	T				
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0.1	0	0	0	0	0						
Wind direction	E	E	E	E	E	NE	NE	E	E	E	E	E
Wind movement	9	8	7	8	11	13	14	13	10	10	11	10

Sunrise: Time, 5:37 Character, Cloudy
Moonrise: — —
Sunset: Time, 5:25 Character, Cloudy
Moonset: 9:19 P.M.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

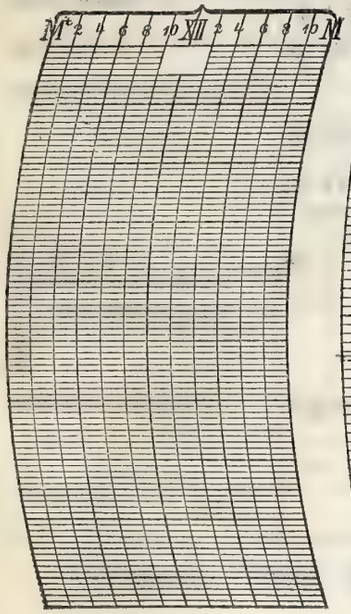
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
61	52	56	

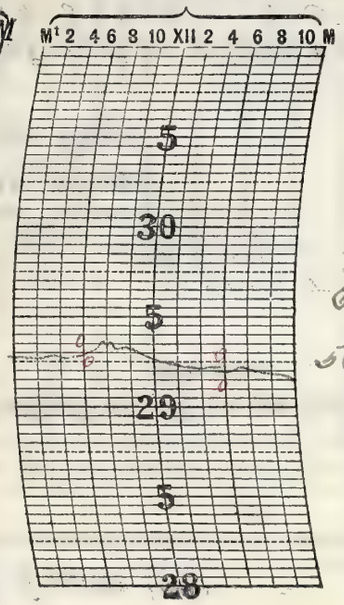
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .33 ins.
Total precipitation, midnight to midnight, .33 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.1 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 1
Prevailing wind direction, E Total wind 231
Average hourly velocity, 9.6 Extreme velocity, 17
Maximum velocity, 17 Direction, E
Time began, 6:53 P.M.
Reduced barometer, 30.23 7 a. m. 30.11 7 p. m.
River gage, 2.2 feet
Relative humidity, 94 7 a. m. 94 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 55.3 Wet temperature, 53.0
Dew-point, 52 R. humidity, 86 V. pressure, .387
Clouds: Amount, 10; Kind, Stratus; Direction, E
Velocity of clouds (miles per hour)

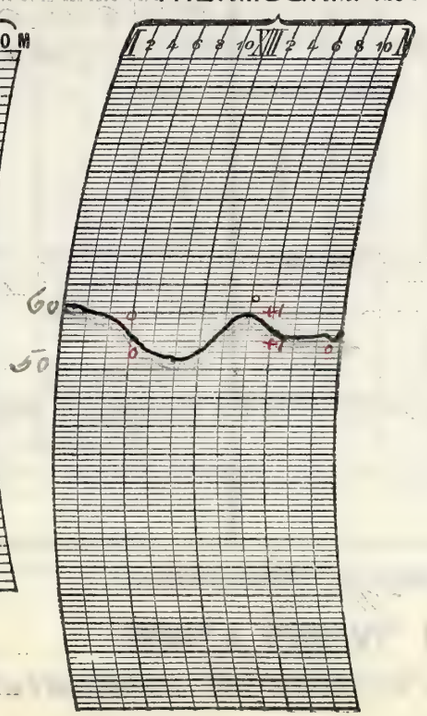
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cloudy and unsettled with rain.
Cool and unpleasant weather.

Prepared by
Verified by } P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) October 1, 1919

Time (local standard) 90th mer. normal time

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	56	56	56	57	58	58	59	60	61	62	60	62
Nature of precipitation and time of beginning and ending					RB 4:50	—	—	—	RE 8:15	RB 9:58	RE 10:31	
Amounts of precipitation					T	.09	.16	T	T	.01	.03	
Cloudiness and other conditions					Cloudy							
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	E	NE	E	E	E	SE	SE	SE	SE	E	E	E
Wind movement	7	9	8	7	4	4	3	5	4	3	6	5

Sunrise: Time 5:38, Character Cloudy. Moonrise: 12:23p, Cloudy.

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	64	66	69	70	70	68	66	64 ~~68~~	63 ~~64~~	63 ~~64~~	62	64
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunshine (in tenths of hours)	0	0.4	0.4	0.9	0	0						
Wind direction	NE	E	E	E	E	E	E	E	E	E	E	E
Wind movement	4	6	6	9	8	8	8	9	7	6	4	1

Sunset: Time 5:23, Character Clear. Moonset: 10:12p, Clear.

Maximum velocities (exceeding 74 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
71	56	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .22 ins.; to 7 p. m., .66 ins.

Total precipitation, midnight to midnight, .27 inches.

Character of day, Cloudy. Moon phase,

Average daily cloudiness (0–10),

Actual sunshine, hours, 4.7. Possible sunshine, hours, 11.8.

Per cent of possible sunshine, 14

Prevailing wind direction, E. Total wind 142

Average hourly velocity, 5.9. Extreme velocity,

Maximum velocity, 11. Direction, E

Time began, 2:40 a.m.

Reduced barometer, 30.05 7 a. m. 29.95 7 p. m.

River gage, 2.2

Relative humidity, 95 7 a. m. 93 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m. (Local Mean Time.)

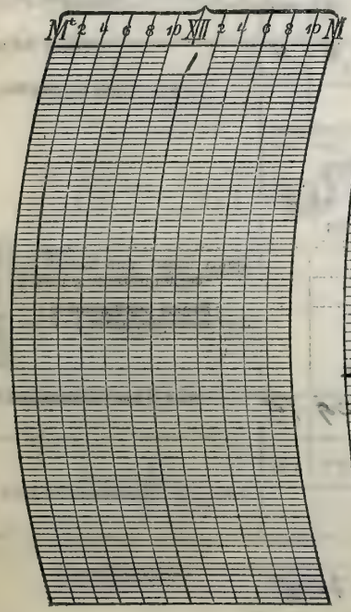
Dry temperature, 64.6. Wet temperature, 63.0

Dew-point, 62. R. humidity, 92. V. pressure, .555

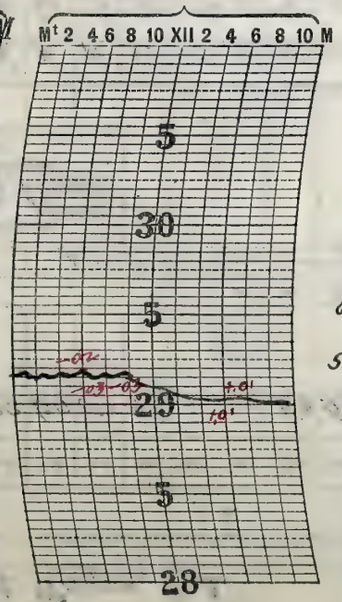
Clouds: Amount, 10; Kind, St; Direction, NW

Velocity of clouds (miles per hour)

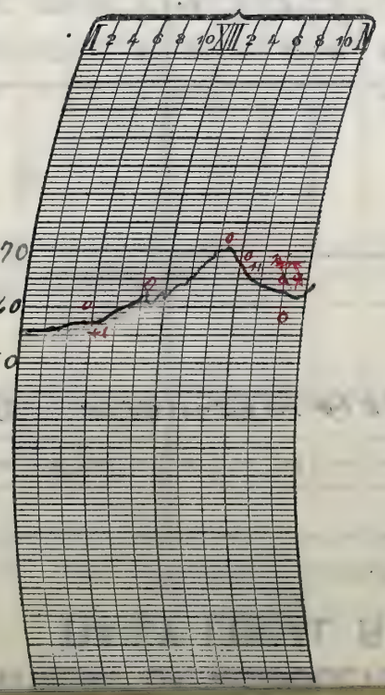
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

St. Fog began 8:17 a.m. and ended 10:00 a.m. The day as a whole was cloudy till rained evening 4 p.m. Began to clear a.m. a clear cool night resulted. Light dew was observed at the pm observations on this date.

Prepared by C. O. Schick

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT - 2 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	67	67	67	67	67		72	76	79	82	84	85	86	87	86	84	80	78	77	74	73	72	70
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Clear												Clear							
Sunshine (in tenths of hours)						.35	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6 / 0.4	.37 / 0						
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	6	10	9	8	9	9	11	13	16	22	21	25	22	19	16	14	11	14	14	11	10	8	9
Maximum velocities (exceeding 22 miles) direction and time																								

Sunrise: Time, 5:39; Character, Clear. Moonrise: 1:07 pm, Clear.

Sunset: Time, 5:22; Character, Clear. Moonset: 11:00 p, Clear.

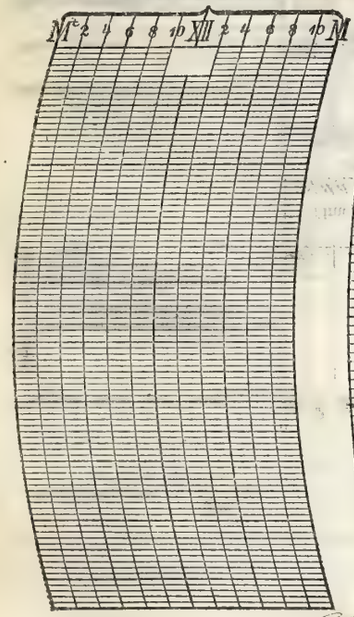
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
87	64	76	

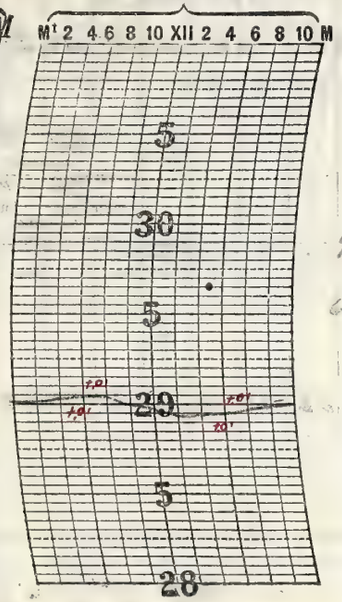
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, D 2:32 am
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 11.7 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 312
Average hourly velocity, 13.1 Extreme velocity, 29
Maximum velocity, 28 Direction, SW
Time began, 10:19 am
Reduced barometer, 29.26 a. m. 29.85 p. m.
River gage, 4.2
Relative humidity, 83 a. m. 53 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 pm
(Local Mean Time.)
Dry temperature, 84.4 Wet temperature, 68.0
Dew-point, 60 R. humidity, 43 V. pressure, .517
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

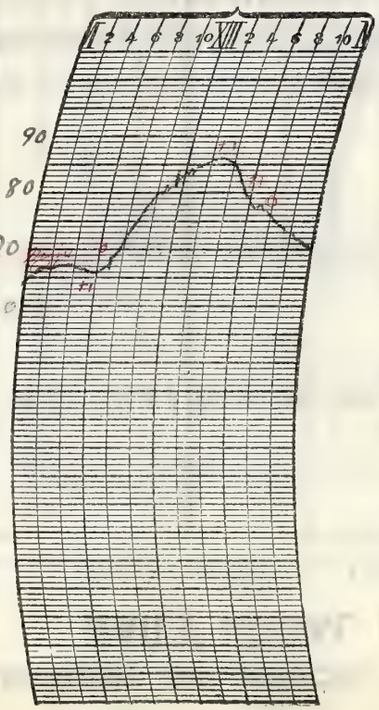
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear day with moderately high temperature for this season of the year. Sky clear & observed at the am. observation.

Prepared by C. H. Schick
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT - 3 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	67	66	66	65	66	66	72	75	78	81	83
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)						3.3 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	9	9	9	10	8	8	11	12	10	11	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	85	85	85	84	82	79	77	75	73	71	71	69
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.8 0.2	.33 0						
Wind direction	SW	SW	SW	SW	S	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	14	14	12	10	6	7	8	7	8	7	8

Sunrise: Time, 5:40 Character, Clear
Moonrise: 1:45 p Clear
Sunset: Time, 5:20 Character, Clear
Moonset: ~~[illegible]~~ —

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts

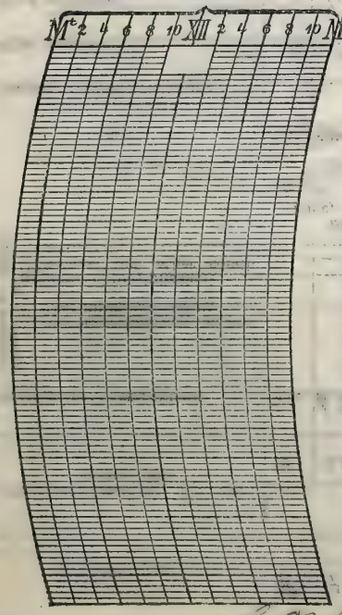
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	65	75	

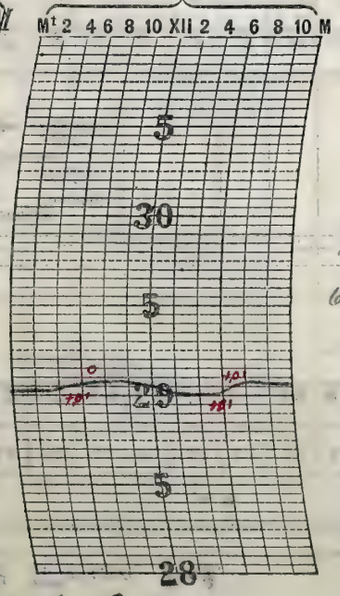
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 11.7 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 230
Average hourly velocity, 9.6 Extreme velocity, 18
Maximum velocity, 17 Direction, SW
Time began, 1:15 p.m.
Reduced barometer, 29.96 7 a. m. 29.85 7 p. m.
River gage, 5.6
Relative humidity, 80 7 a. m. 61 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 84.0 Wet temperature, 68.0
Dew-point, 60 R. humidity, 44 V. pressure, .517
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

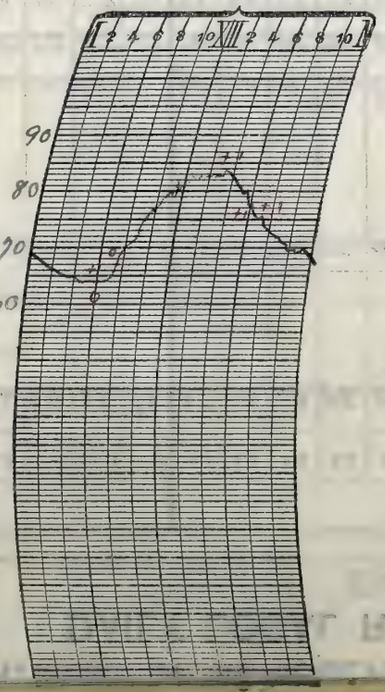
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and pleasant day with the moderately high temperature for this season of the year.

Prepared by C. A. Schick.
Verified by P. McDonnell

Form No. 1014—M&T.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT - 4 1919, 191

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	68	67	66	65	64	65	66	71	73	78	80	83	82	82	80	81	77	75	74	71	70	69	68	68
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear							Partly Cloudy					Cloudy						
Sunrise: Time, 5:41 Character, Cloudy																					Sunset: Time, 5:19 Character, Cloudy			
Moonrise: 2:20 pm.																					Moonset: 12:14 A.M.			
Sunshine (in tenths of hours)						0	0	0.3	0.4	1.0	1.0	1.0	0.9	0.7	0.5	0	0	0						
Wind direction	SW	SW	SW	SW	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	8	8	8	8	7	8	9	9	8	11	12	15	16	16	9	12	11	10	11	9	8	7	8
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	64	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Partly Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 5.8 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 50
Prevailing wind direction, SW Total wind 235
Average hourly velocity, 9.8 Extreme velocity, 24
Maximum velocity, 31 Direction, SW
Time began, 2:11 pm
Reduced barometer, 29.22 7 a. m. 29.95 7 p. m.
River gage, 4.7
Relative humidity, 82 7 a. m. 77 7 p. m.

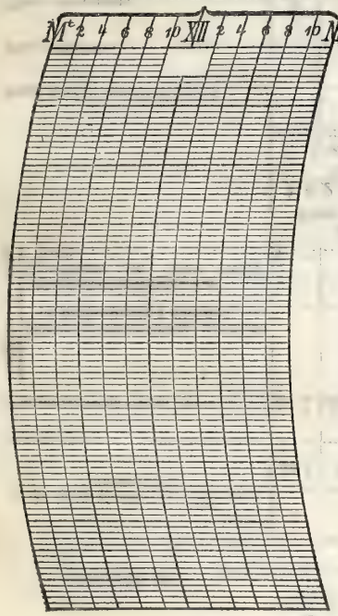
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

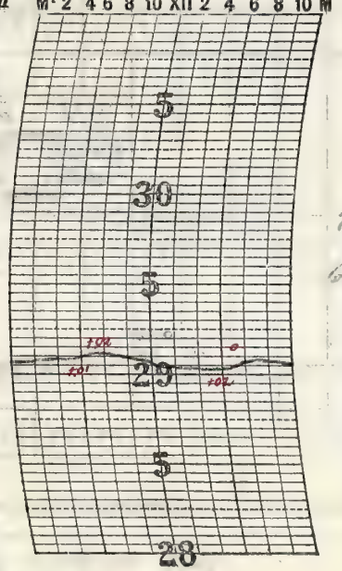
OBSERVATIONS AT ~~12 NOON~~ 12:38 pm
(Local Mean Time.)

Dry temperature, 81.7 Wet temperature, 67.7
Dew-point, 61 R. humidity, 48 V. pressure, .536
Clouds: Amount, 3 FEW; Kind, Cu 164; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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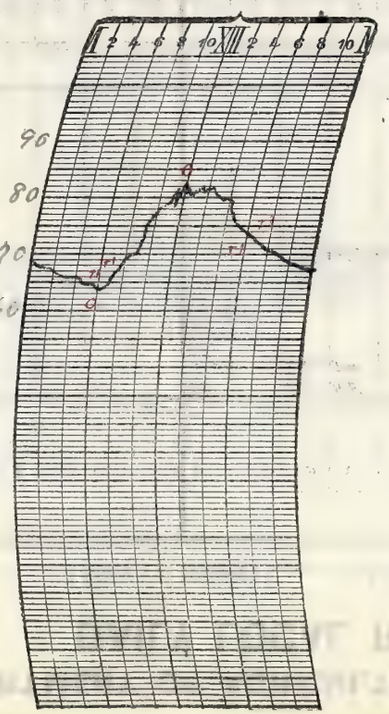


NOTES.

Warm and pleasant day.

Prepared by [illegible]
Verified by P. McMonagle

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 5 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	69	68	68	68	68	68	69	70	71	69	72	72
State of weather. Nature of precipitation and time of beginning and ending					RB 4:20	RE 5:16				RB 9:27	RE 10:18	
Amounts of precipitation					.01	T				.16	.03	
Cloudiness and other conditions	Cloudy											

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	71	73	71	70	70	69	69	69	68	68	68	66
State of weather. Nature of precipitation and time of beginning and ending	RB 12:27 RE 12:54		RB 2:29	RE 3:41								
Amounts of precipitation	.06		.28	.06								
Cloudiness and other conditions	Cloudy											

Sunrise: Time, 5:42 Character, Cloudy

Moonrise: 2:54 P.M.

Sunset: Time, 5:17 Character, Cloudy

Moonset: ~~2:18~~ A.M.

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)						0	0	0	0	0	0.4	0
Wind direction	SW	SW	SW	S	SW	SW	SW	SW	S	SW	SW	SW
Wind movement	8	9	9	11	7	7	6	9	10	12	13	16
Maximum velocities (exceeding 29 miles) direction and time												

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W
Wind movement	15	12	11	9	9	9	9	7	7	7	11	13
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	66	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .01 ins.; to 7 p. m., .47 ins.

Total precipitation, midnight to midnight, .62 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10), 10

Actual sunshine, hours, 0.4 Possible sunshine, hours, 11.6

Per cent of possible sunshine, 3

Prevailing wind direction, SW Total wind 236

Average hourly velocity, 9.8 Extreme velocity, 21

Maximum velocity, 20 Direction, SW

Time began, 11:48 a.m.

Reduced barometer, 29.85 7 a. m. 29.87 7 p. m.

River gage, 3.7

Relative humidity, 88 7 a. m. 95 7 p. m.

OBSERVATIONS AT ~~12 NOON~~: 12:38 pm
(Local Mean Time.)

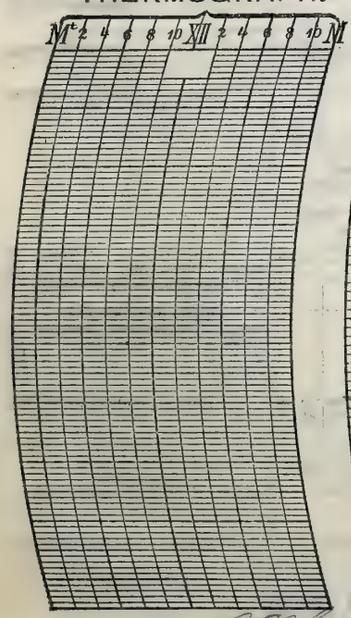
Dry temperature, 71.8 Wet temperature, 68.2

Dew-point, 67 R. humidity, 84 V. pressure, .661

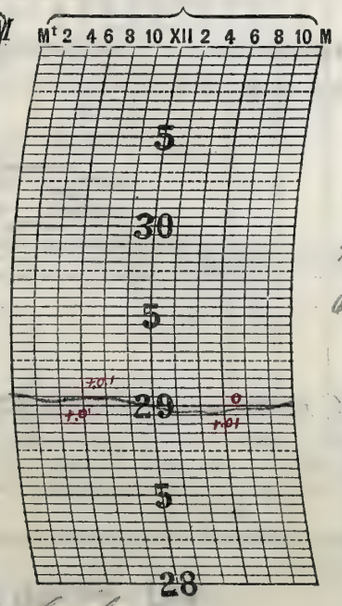
Clouds: Amount, 10; Kind, St; Direction, SW

Velocity of clouds (miles per hour)

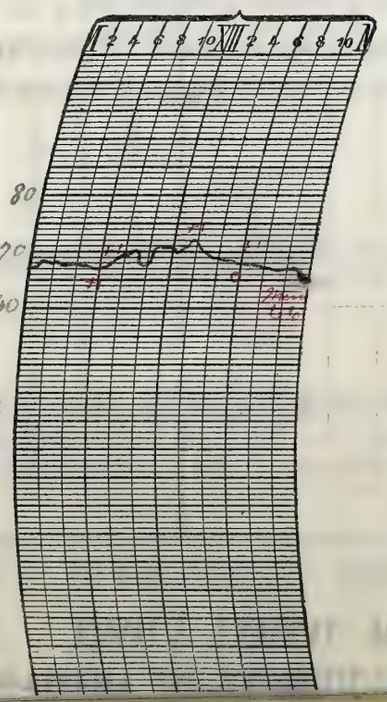
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cloudy and smoky with showers throughout the day.
* Estimated.

Prepared by C. C. Schick

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Monday, (Date) OCT - 6 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	63	62	60	58	57	56	56	59	60	61	62	64	65	65	66	66	65	62	60	58	57	56	55	54
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	?	Clear								Partly Cloudy								Clear						
Sunrise: Time, 5:43 Character, Cloudy																					Sunset: Time, 5:15 Character, Cloudy			
Moonrise: 3:28 P.M.																					Moonset: ~~3:08~~ 2:18 A.M.			
Sunshine (in tenths of hours)						0	0	0.7	0.4	0.8	1.0	0.9	1.0	1.0	1.0	1.0	0.7 0.1	0						
Wind direction	W	W	NW	NW	W	NW	W	W	W	NW	W	W	W	W	NW	W	W	W	W	SW	SW	SW	SW	SW
Wind movement	16	13	14	11	12	10	7	9	8	11	13	12	12	14	13	13	9	5	5	9	8	9	9	10
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

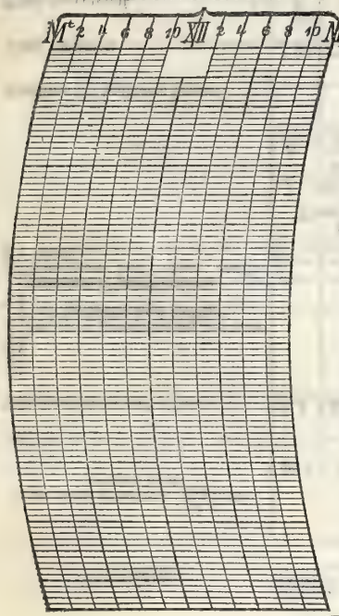
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
66	54	60	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 8.6 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 75
Prevailing wind direction, W. Total wind 252
Average hourly velocity, 10.5 Extreme velocity, 25
Maximum velocity, 23 Direction, NW
Time began, 12:14 am
Reduced barometer, 30.11 7 a. m. 30.19 7 p. m.
River gage, 3.3
Relative humidity, 78 7 a. m. 51 7 p. m.

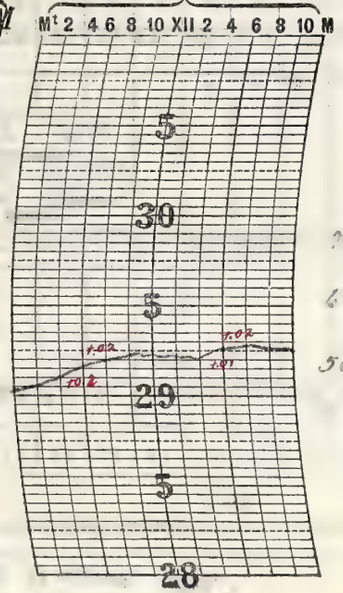
OBSERVATIONS AT ~~12 NOON~~ 12:38 PM
(Local Mean Time.)

Dry temperature, 64.4 Wet temperature, 54.4
Dew-point, 46 R. humidity, 52 V. pressure, .310
Clouds: Amount, 3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

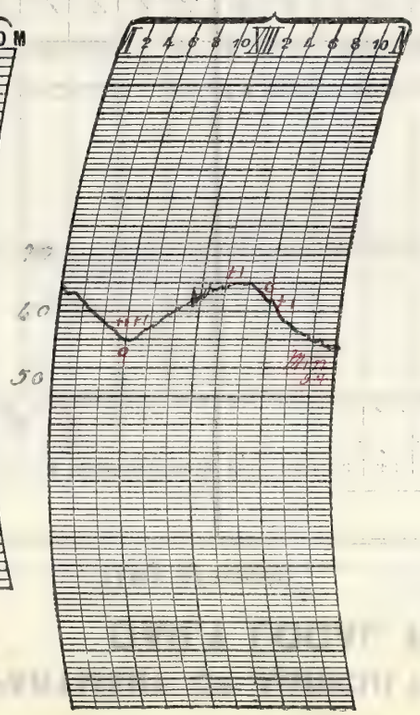
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The day as a whole was clear and cool.

Prepared by A. C. Schick

Verified by R. M. Donaghy

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT - 8 1919, 191

Time (local standard), 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	52	52	51	51	50	51	58	61	65	66	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)						0	0.8 0	0.8 0.8	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	NW	NW	N	NE
Wind movement	8	8	7	8	8	8	9	7	7	7	7	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	66	66	65	63	60	58	56	55	52	50	49
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)	0.9	0.8	1.0	0.8	1.0 0	.23 0						
Wind direction	NE	NE	N	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	9	8	9	8	8	6	6	7	5	7	7	6

Sunrise: Time, 5:44 Character, Cloudy
Moonrise: 9:58 P.M.

Sunset: Time, 5:14 Character, Clear
Moonset: ~~4:36~~ 8:26 A.M.

Maximum velocities (exceeding 29 miles) direction and time

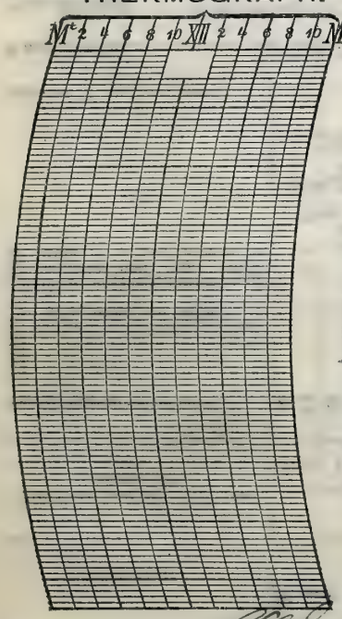
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
67	49	58	

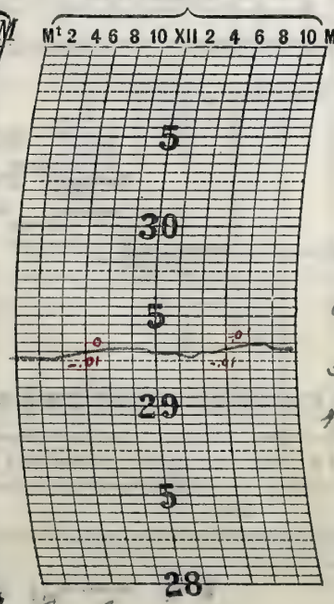
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 10.5 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 91
Prevailing wind direction, NE Total wind 179
Average hourly velocity, 7.5 Extreme velocity, 12
Maximum velocity, 12 Direction, N
Time began, 2:05 pm
Reduced barometer, 30.22 7 a. m. 30.23 7 p. m.
River gage, 3.0
Relative humidity, 81 7 a. m. 71 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 65.6 Wet temperature, 57.1
Dew-point, 51 R. humidity, 60 V. pressure, .373
Clouds: Amount, 2; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

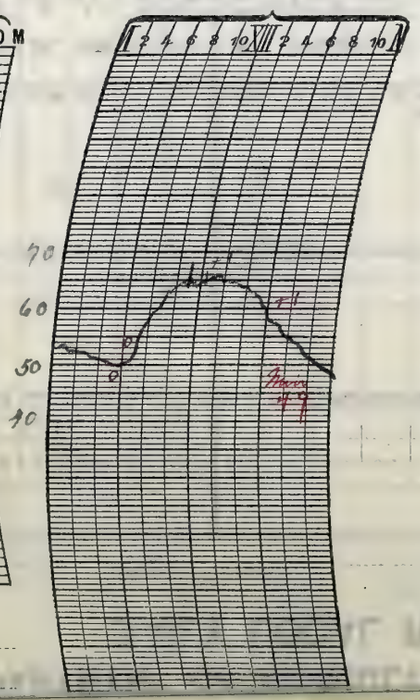
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and cool day

Prepared by C. E. Schick
Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT - 8 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	46	45	44	44	44	46	48	53	59	61	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)						0	0 (0.9)	0.5 (0.5)	1.0	1.0	1.0	1.0
Wind direction	NE	E	E	E	E	E	E	E	E	E	E	SE
Wind movement	6	6	7	6	7	7	7	7	8	8	9	7
Maximum velocities (exceeding 20 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	71	73	73	72	69	66	64	65	65	64	63
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Partly Cloudy					?
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.8	0	0						
Wind direction	SE	SE	SE	SE	SE	SE	E	E	SE	SE	S	S
Wind movement	8	8	9	11	8	6	7	7	7	11	11	12
Maximum velocities (exceeding 20 miles) direction and time												

Sunrise: Time, 5:45; Character, Cloudy. Moonrise: 4:30 p.

Sunset: Time, 5:12; Character, Cloudy. Moonset: ~~5:50 p.~~ 4:36 a.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	43	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 9.7 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 84
Prevailing wind direction, E Total wind 190
Average hourly velocity, 7.9 Extreme velocity, 12
Maximum velocity, 12 Direction, SE
Time began, 10:20 pm
Reduced barometer, 30.22 7 a. m. 29.99 7 p. m.
River gage, 2.7
Relative humidity, 89 7 a. m. 58 7 p. m.

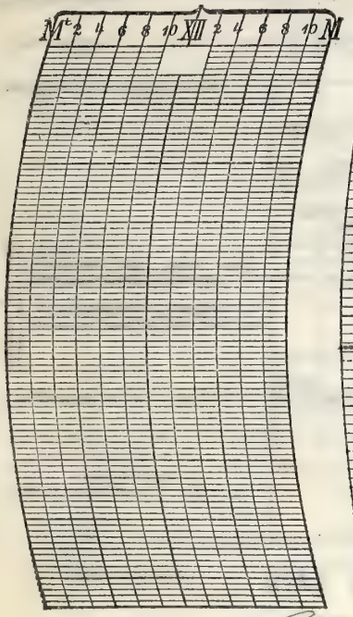
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

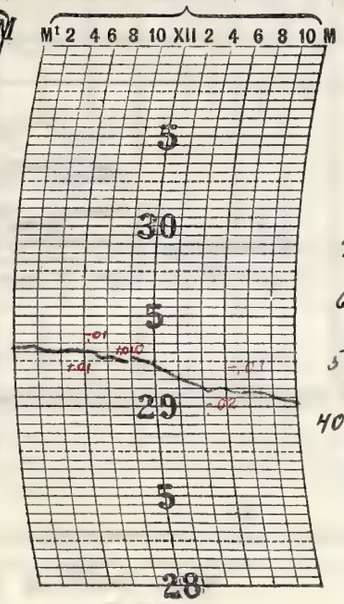
OBSERVATIONS AT ~~12 NOON.~~ 12:38 pm
(Local Mean Time.)

Dry temperature, 68.0 Wet temperature, 57.4
Dew-point, 50 R. humidity, 53 V. pressure, .36 0
Clouds: Amount, Few; Kind, Cirst; Direction, W.
Velocity of clouds (miles per hour)

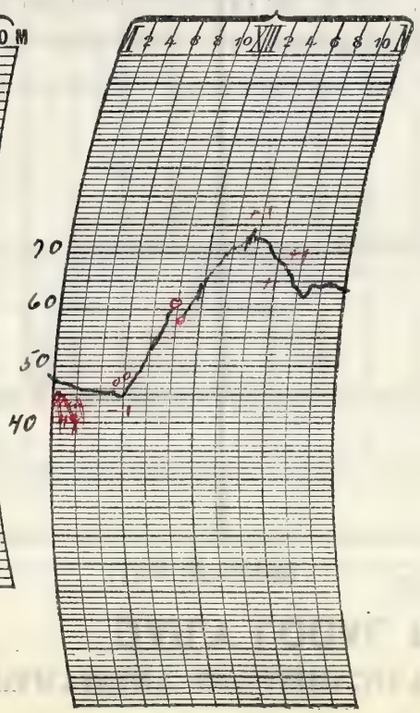
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light frost this morning.
An ill-defined lunar halo of 22° radius, was observed at 6:40 a.m.

Prepared by C. A. Schuck
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 9 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	62	60	60	61	61	61	61	61	64	65	68	70
State of weather. Nature of precipitation and time of beginning and ending	RB DNS						RE 6:20		RB 8:31 RE 8:57			
Amounts of precipitation	.02	.02	T	.01	.01	.10	.01		T			
Cloudiness and other conditions	Cloudy											

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	72	72	75	75	74	72	72	72	70	69	69	69
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Cloudy				

Sunrise: Time, 5:46 Character, Cloudy

Moonrise: 5:06 pm.

Sunset: Time, 5:10 Character, Cloudy

Moonset: 5:50 am.

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)						0	0	0	0	0	0	0.1
Wind direction	S	SE	SE	S	S	S	S	S	S	S	SW	SW
Wind movement	11	11	10	15	12	14	13	12	20	24	26	21
Maximum velocities (exceeding 29 miles) direction and time											37 SW 10:38	30 S 11:08

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)	0.5	0.2	1.0	0.8	0	0						
Wind direction	SW	SW	SW	SW	SW	S	S	SW	SW	SW	SW	SW
Wind movement	31	26	27	25	17	16	19	16	14	13	12	15
Maximum velocities (exceeding 29 miles) direction and time	40 SW 12:21	30 SW 1:40	32 SW 2:15	34 SW 3:00								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
75	60	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .23 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .23 inches.

Character of day, Cloudy Moon phase, Full 1:39 am.

Average daily cloudiness (0–10), 8

Actual sunshine, hours, 2.6 Possible sunshine, hours, 11.4

Per cent of possible sunshine, 23

Prevailing wind direction, SW Total wind 426

Average hourly velocity, 17.8 Extreme velocity, 45

Maximum velocity, 40 Direction, SW

Time began, 12:26 pm

Reduced barometer, 29.81 7 a. m. 29.94 7 p. m.

River gage, 2.7 Feet

Relative humidity, 92 7 a. m. 78 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 pm
(Local Mean Time.)

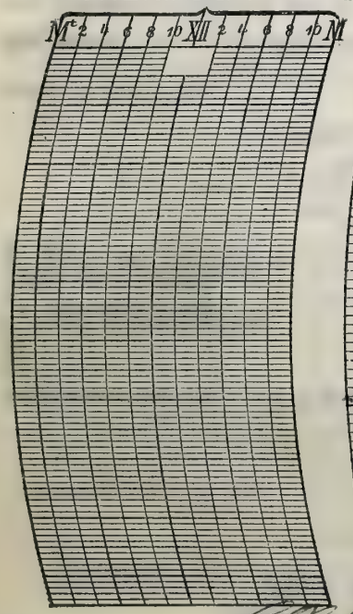
Dry temperature, 72.8 Wet temperature, 66.0

Dew-point, 62 R. humidity, 70 V. pressure, .555

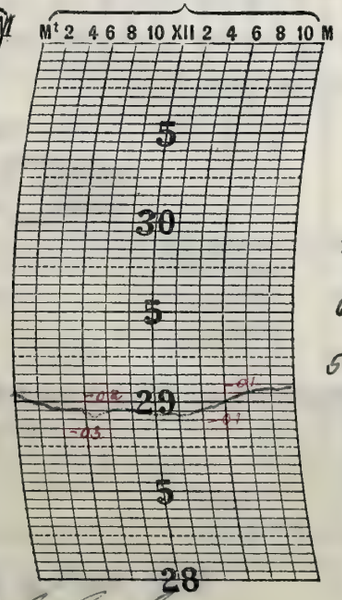
Clouds: Amount, 8; Kind, Cu; Direction, SW

Velocity of clouds (miles per hour)

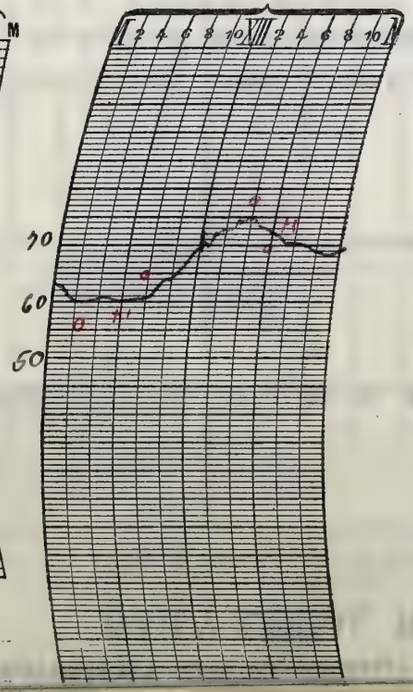
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The day as a whole was cloudy with moderate temperatures

Prepared by C. C. Schick

Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 10 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	71	70	72	72	71	71	71	72	72	73	70	68
Nature of precipitation and time of beginning and ending											RB 10:10	
Amounts of precipitation											.06	.20
Cloudiness and other conditions	Cloudy										Cloudy	
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	17	15	17	19	18	15	13	14	17	17	16	10

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	66	67	68	68	61	57	55	54	53	52	52	51
Nature of precipitation and time of beginning and ending		RE 1:04										
Amounts of precipitation	.03	T										
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	S	S	SW	SW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	11	13	13	13	13	12	10	10	10	7	11	10

Sunrise: Time, 5:42 Character, Cloudy
Moonrise: 5:46 pm
Sunset: Time, 5:09 Character, Cloudy
Moonset: 7:04 am

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

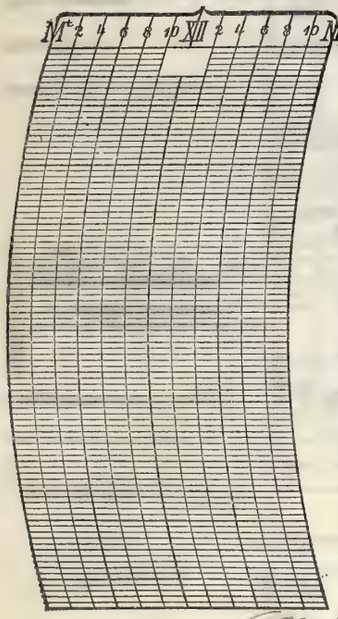
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	51	62	

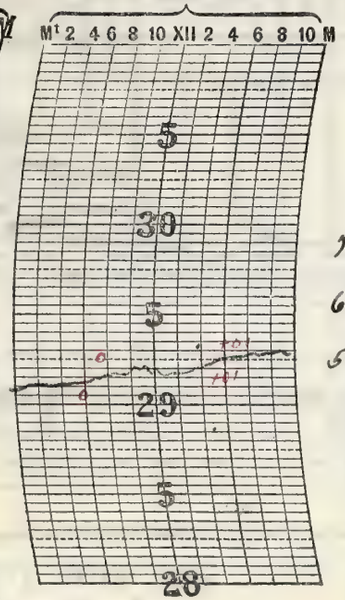
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .29 ins.
Total precipitation, midnight to midnight, .29 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 32.1
Average hourly velocity, 13.4 Extreme velocity, 22
Maximum velocity, 22 Direction, SW
Time began, 3:14 am
Reduced barometer, 30.25 7 a. m. 30.18 7 p. m.
River gage, 2.6 fall
Relative humidity, 85 7 a. m. 84 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 PM
(Local Mean Time.)
Dry temperature, 67.2 Wet temperature, 66.2
Dew-point, 65 R. humidity, 95 V. pressure, .616
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

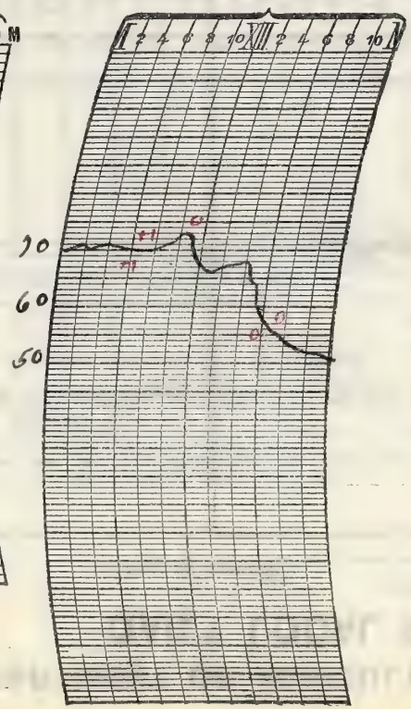
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Portion of a solar halo of 22° was observed at 6:38 am. The length of the arc was about 180° and very thin and the colors were indistinct. The phenomena ended at 8:28 am.

Thunderstorm: Thunder was first heard at 10:43 am and ended at 12:23 pm. The storm moved from west to east and was attended by rain. The storm was much more severe to the south and east of the city.

Prepared by C. A. Schieb
Verified by T. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 11 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	50	49	48	47	46	41	46	46	47	46	45
State of weather: Nature of precipitation and time of beginning and ending	RB 12:40											
Amounts of precipitation	T	T	.03	.06	.04	.04	.03	.02	.02	.04	.08	.02
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	NW	NW	N	N	N	N	N	NE	N	N	NE	N
Wind movement	9	10	8	6	6	7	6	6	5	6	6	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	45	46	47	47	46	45	44	43	42	42	41
State of weather: Nature of precipitation and time of beginning and ending			RE 2:45									
Amounts of precipitation	02	02	T									
Cloudiness and other conditions	Cloudy						PC		Clear			
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	NE	NE	NE	NE	N	NE	NE	NE	NE	NE	NE	NE
Wind movement	8	7	7	7	8	7	6	6	5	7	7	7

Sunrise: Time, 5:48 Character, Cloudy

Moonrise: 6:33 pm

Sunset: Time, 5:07 Character, Cloudy

Moonset: 8:17 am

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
51	41	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .20 ins.; to 7 p. m., .22 ins.

Total precipitation, midnight to midnight, .42 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10),

Actual sunshine, hours, 0 Possible sunshine, hours, 11.3

Per cent of possible sunshine, 0

Prevailing wind direction, NE Total wind 163

Average hourly velocity, 6.8 Extreme velocity,

Maximum velocity, 11 Direction, NW

Time began, 1:28 am

Reduced barometer, 30.23 7 a. m. 30.19 7 p. m.

River gage, 2.6 Feet

Relative humidity, 91 7 a. m. 84 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

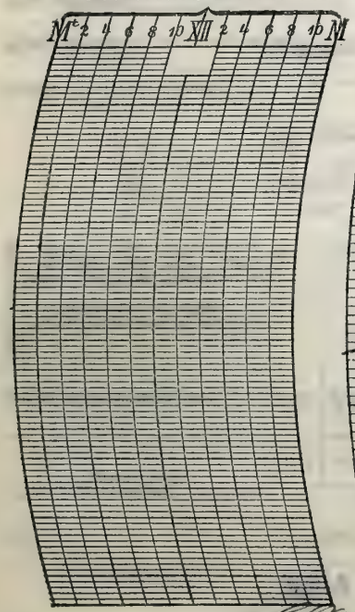
Dry temperature, 45.8 Wet temperature, 44.8

Dew-point, 44 R. humidity, 93 V. pressure, .287

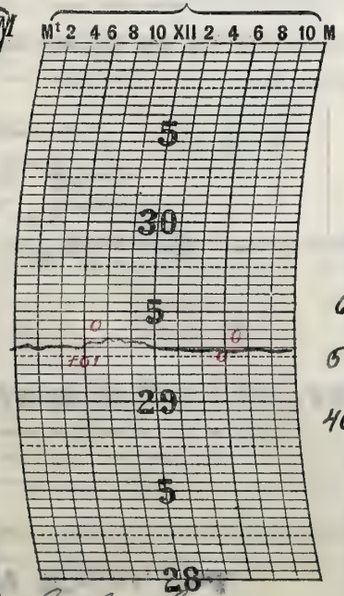
Clouds: Amount, 10; Kind, Nb; Direction, N

Velocity of clouds (miles per hour)

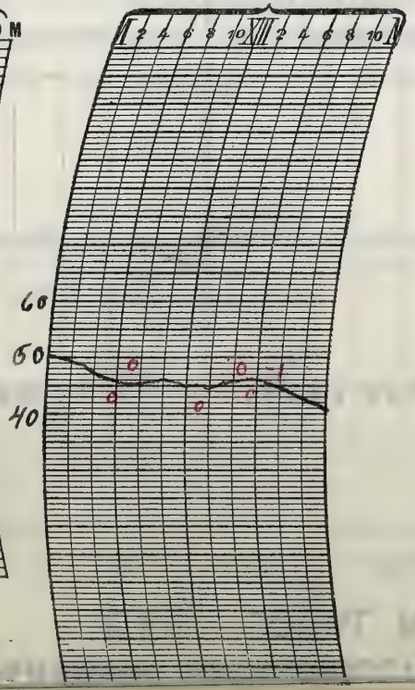
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Dark & gloomy day the greater portion of which necessitated the use of artificial light for the performance of indoor work. The clouds began to break up at 5:00 pm, sky clear at 6:40 pm.

Prepared by A. E. Schick

Verified by P. McDonough

FORM NO. 1012—MOT 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 12 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	41	40	39	38	38	37	38	43	47	49	51	52
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunrise: Time, 5:49 Character, Cloudy												
Moonrise: 7:26p												
Sunshine (in tenths of hours)						0	0 (0.7)	0.6 (0.4)	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	N
Wind movement	4	5	6	6	5	6	5	6	9	8	4	5
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	55	54	56	55	55	53	51	49	47	47	45	44
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunset: Time, 5:06 Character, Cloudy												
Moonset: 9:28a												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.9	0	0						
Wind direction	N	NE	NE	N	N	N	N	O	N	O	O	N
Wind movement	5	4	4	4	3	3	2	0		0	0	1
Maximum velocities (exceeding 22 miles) direction and time												

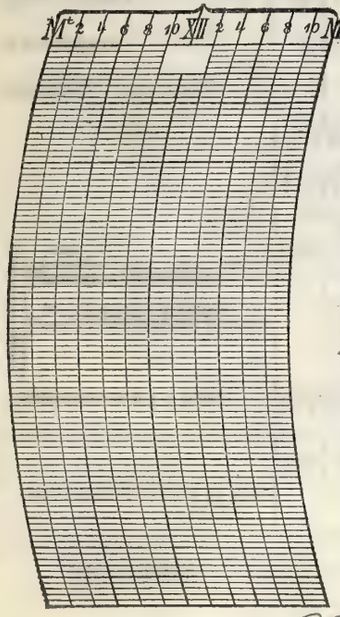
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	36	46	

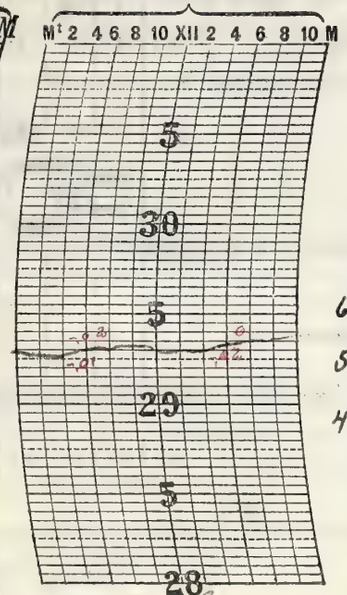
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), FEW
Actual sunshine, hours, 9.6 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 85
Prevailing wind direction, NE Total wind 9.6
Average hourly velocity, 4.0 Extreme velocity, 10
Maximum velocity, 10 Direction, E
Time began, 8:24 am
Reduced barometer, 30.22 7 a. m. 30.26 7 p. m.
River gage, 2.6
Relative humidity, 79 7 a. m. 51 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 PM
(Local Mean Time.)
Dry temperature, 55.0 Wet temperature, 45.5
Dew-point, 35 R. humidity, 42 V. pressure, .203
Clouds: Amount, FEW; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

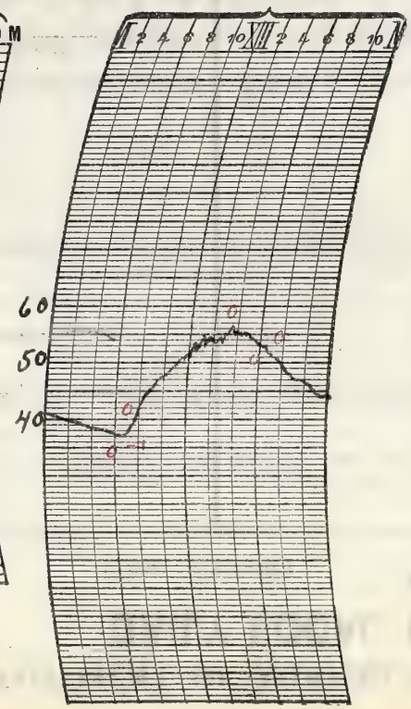
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and cold day with heavy frost in the morning and northerly winds throughout the day. This was the coldest day of the season to date.

Heavy frost warning received at 9:07 p.m. It was phoned to long distance operator & city schools

Prepared by C. C. Schick

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 13 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	42	41	40	39	39	42	48	54	56	58	58
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)						0	0	0	1.0	1.0	1.0	1.0
Wind direction	N	N	0	N	N	0	N	NE	SE	S	SE	SE
Wind movement	2	1	0	1	1	0	2	2	5	6	6	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	60	59	57	56	54	53	52	51	51	50	50
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Partly Cloudy						Cloudy					
Sunshine (in tenths of hours)	1.0	0.6	0	0	0	0						
Wind direction	SE	SE	SE	SE	SE	E	E	E	E	E	NE	E
Wind movement	8	7	6	5	5	4	4	5	4	5	5	5

Sunrise: Time, 5:51 Character, Cloudy
Moonrise: 8:24 p
Sunset: Time, 5:04 Character, Cloudy
Moonset: 10:33 a

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	39	50.1	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Partly Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 7.2 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 64
Prevailing wind direction, SE Total wind 95
Average hourly velocity, 4.0 Extreme velocity, 9
Maximum velocity, 9 Direction, SE
Time began, 12:22 pm
Reduced barometer, 30.32 7 a. m. 30.15 7 p. m.
River gage, 2.9
Relative humidity, 77 7 a. m. 61 7 p. m.

Maximum velocities (exceeding 29 miles) direction and time

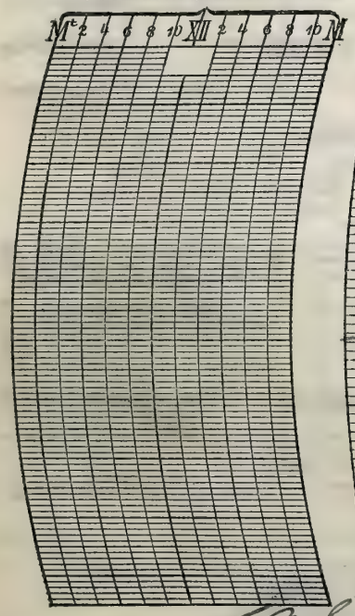
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

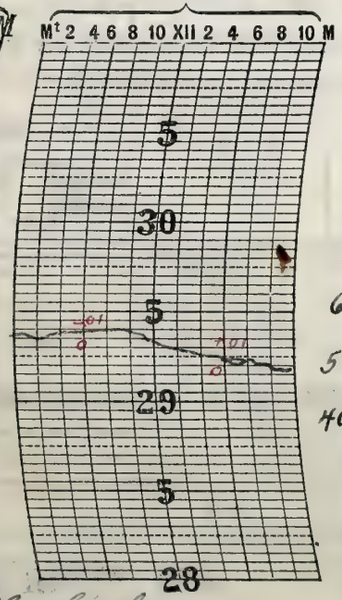
OBSERVATIONS AT ~~12 NOON~~. 12:38 p.m.
(Local Mean Time.)

Dry temperature, 58.5 Wet temperature, 46.6
Dew-point, 33 R. humidity, 39 V. pressure, .187
Clouds: Amount, 3; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

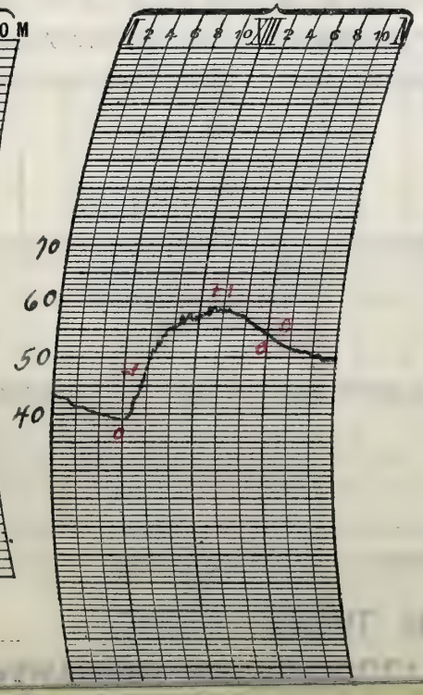
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

One or two light winds a light hall of smoke rested over the city till about 9:30 am. Heavy frost observed this morning.

Prepared by E. A. Schick
Verified by P. M. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 14 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	49	49 ~~52~~	49 ~~52~~	48 ~~51~~	48	48	51	55	57	61	62	64	65	65	65	64	62	60	58	57	56	55	54
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Cloudy												Cloudy											?
Sunrise: Time, 5:52 Character, Cloudy																								
Moonrise: 9:28p																								
Sunset: Time, 5:02 Character, Cloudy																								
Moonset: 11:31a																								
Sunshine (in tenths of hours)						0	0	0	0	0	0.3	0.3	0	0	0	0	0	0						
Wind direction	E	E	E	E	E	E	E	E	S	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W	W
Wind movement	4	5	4	2	2	3	1	3	4	5	5	7	8	11	12	9	11	8	6	5	7	6	4	3
Maximum velocities (exceeding 29 miles) direction and time																								

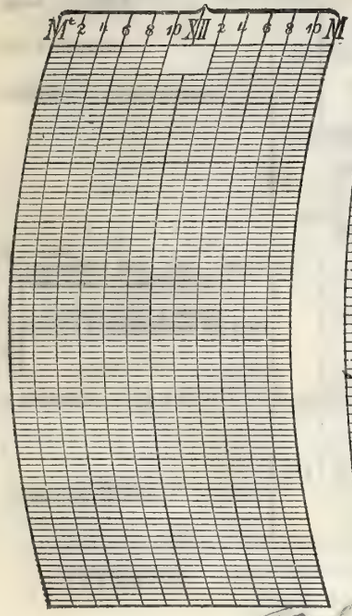
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	48	56	

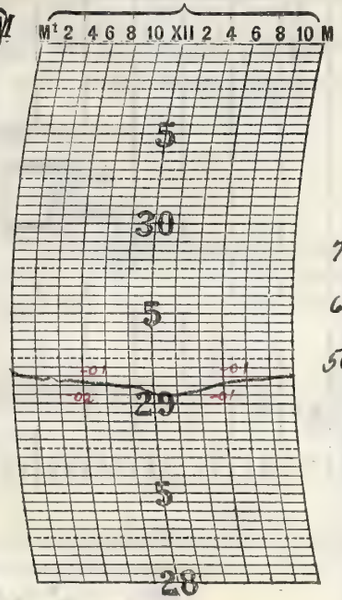
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.6 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 5
Prevailing wind direction, E. & S.W. Total wind 135
Average hourly velocity, 5.6 Extreme velocity, 14
Maximum velocity, 13 Direction, SW
Time began, 1:51 pm
Reduced barometer, 30.01 7 a. m. 30.03 7 p. m.
River gage,
Relative humidity, 76 7 a. m. 80 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 pm
(Local Mean Time.)
Dry temperature, 63.2 Wet temperature, 55.5
Dew-point, 50 R. humidity, 61 V. pressure, .360
Clouds: Amount, 4; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

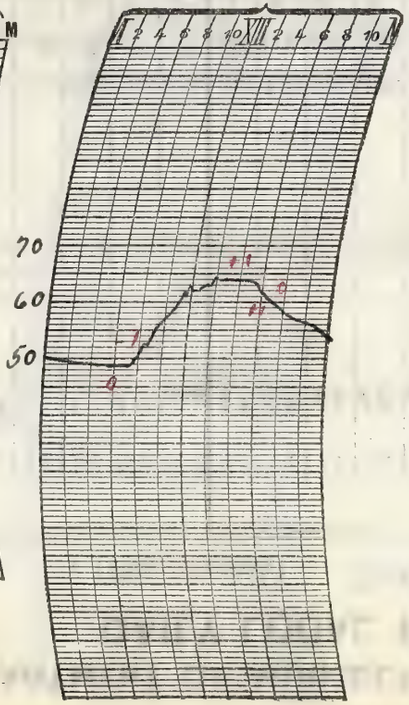
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A solar halo of 22° was observed at 10:40 am. The arc was complete but dim and the colors shown were red, orange, yellow, blue & green. There were not attendant arcs. The clouds consisted of 10 tenths Cirro-Stratus from the west. The phenomena ended at 12:06 pm with the passage of Cumulus clouds from the west. Among the period of visibility there was no increase in cloudiness or any other phenomena observed.

Prepared by C. A. Schick
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT. 15 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	51	52	52	51	52	52	53	55	59	63	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Foggy								
Sunshine (in tenths of hours)						0	0	0	0	0.4	1.0	1.0
Wind direction	W	W	W	W	W	NW	NW	W	S	S	S	SW
Wind movement	4	5	4	3	4	1	1	3	3	1	6	5

Sunrise: Time, 5:53; Character, Foggy. Moonrise: 10:34p

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	69	68	69	66	65	61	60	59	59 RB 9:50	59	59 RE 11:19
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation										T	T	T
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)	1.0	0.8	0.4	0.4	0	0						
Wind direction	SW	SW	SW	SW	W	W	NW	NE	E	E	E	E
Wind movement	5	4	4	4	2	2	5	5	5	5	3	3

Sunset: Time, 5:01; Character, Cloudy. Moonset: 0.20p

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

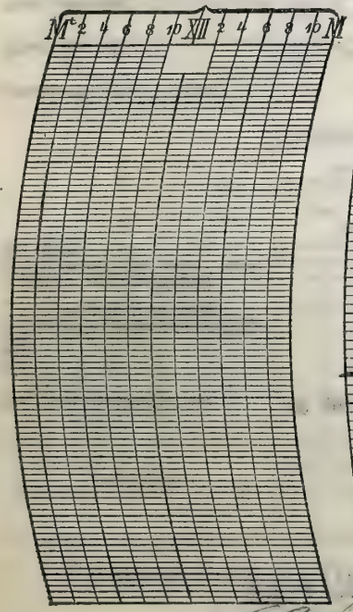
Excessive precipitation, accumulated amounts.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	51	60	

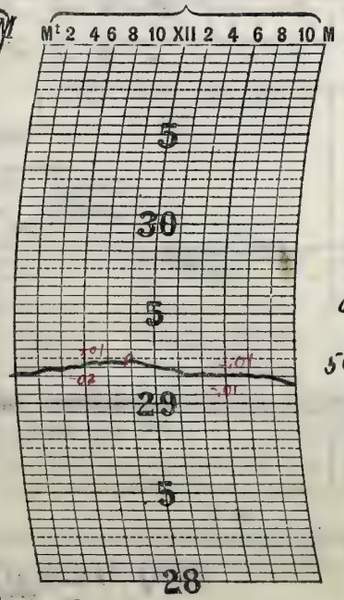
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy. Moon phase, L.Q. 11:05 p.m.
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 5.0. Possible sunshine, hours, 11.1
Per cent of possible sunshine, 45
Prevailing wind direction, W. Total wind 87
Average hourly velocity, 3.6 Extreme velocity, 7
Maximum velocity, 7 Direction, S
Time began, 10:24 am.
Reduced barometer, 30.15 7 a. m. 30.07 7 p. m.
River gage, 2.7
Relative humidity, 100 7 a. m. 74 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 2:38 P.M.
(Local Mean Time.)
Dry temperature, 67.0 Wet temperature, 59.0
Dew-point, 54 R. humidity, 62 V. pressure, .417
Clouds: Amount, Few; Kind, Ast.; Direction, SW
Velocity of clouds (miles per hour)

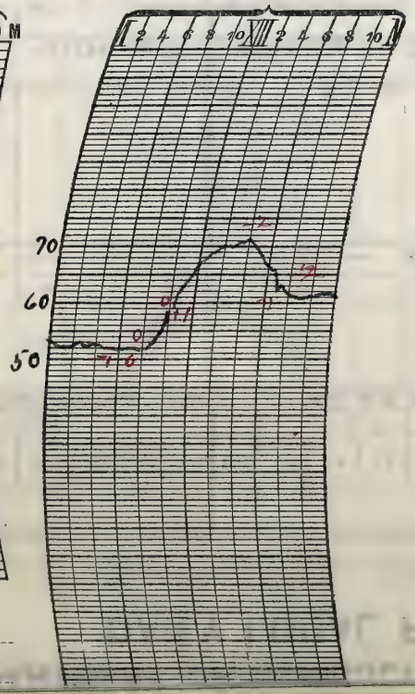
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Dense fog began 8:40 A.M. and ended at 9:20 a.m. Dense fog began at 9:30 a.m. and ended at 9:50

Prepared by C. C. Chick

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 16 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	58	57	56	56	56	56	56	54	52	50	49
Nature of precipitation and time of beginning and ending											RB 10:21 RE 10:52	
Amounts of precipitation											T	
Cloudiness and other conditions	Clear						Hz			Cloudy		
Sunrise: Time, 5:54 Character, Cloudy												
Moonrise: 11:39p												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	SE	SE	S	S	S	S	NW	NE	N	N	N	N
Wind movement	4	4	2	4	4	5	5	6	7	9	8	10

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	47	48	47	46	47	47	46	45	43	41	40
Nature of precipitation and time of beginning and ending	RB 12:47		RE 2:50									
Amounts of precipitation	T	T	.01									
Cloudiness and other conditions					Cloudy							?
Sunset: Time, 4:59 Character, Cloudy												
Moonset: 1:03p												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	N	N	N	N	N	N	N	NW	NW	NW	NW	NW
Wind movement	9	10	10	11	11	9	7	8	7	6	7	7

Maximum velocities (exceeding 29 miles) direction and time

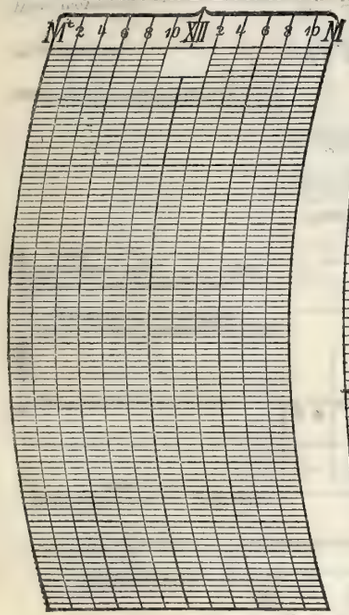
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	40	50	

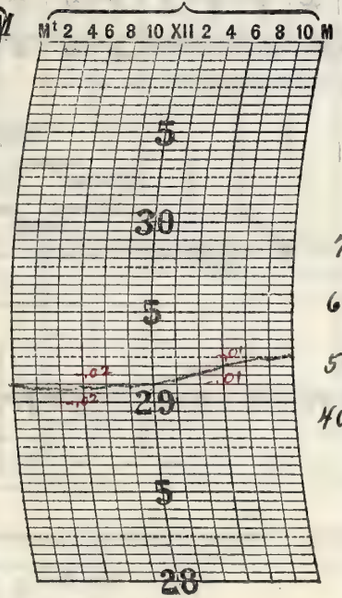
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.1
Per cent of possible sunshine, 0
Prevailing wind direction, N Total wind 120
Average hourly velocity, 2.1 Extreme velocity, 14
Maximum velocity, 13 Direction, N
Time began, 1:03 pm.
Reduced barometer, 29.98 7 a. m. 30.13 7 p. m.
River gage, 2.6
Relative humidity, 91 7 a. m. 83 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 47.8 Wet temperature, 46.0
Dew-point, 44 R. humidity, 88 V. pressure, 28.7
Clouds: Amount, 10; Kind, St; Direction, S
Velocity of clouds (miles per hour)

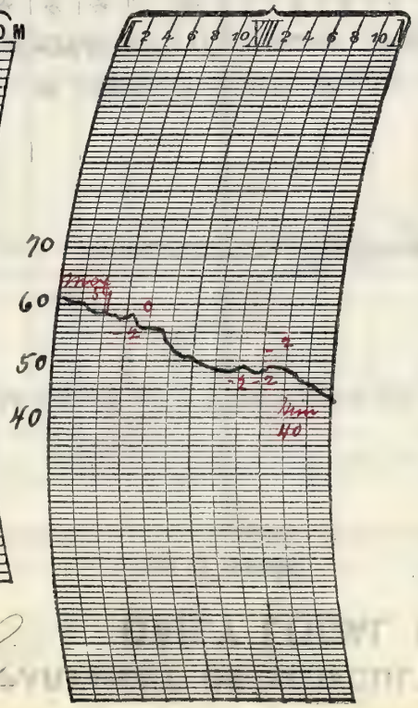
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

St. Joe Degan W.M.O. and Conductor at Kilkam.
Frost warning was included in the forecast message and received at 8:00 am.

Prepared by C. A. Schick
Verified by C. M. Donnegh

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 17 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	38	38	37	37	37	38	42	46	48	50	53
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	7				Pt Cloudy							
Sunshine (in tenths of hours)						0	0	0	0	0.6	0.6	0.9
Wind direction	N	N	N	N	NW	NW	NW	NW	NW	NW	SW	W
Wind movement	4	3	2	2	1	3	2	4	4	4	3	6

Sunrise: Time, 5:55 Character, Cloudy
Moonrise: 0:44a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	52	53	52	50	51	49	47	45	44	43	43
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pt Cloudy						Clear			
Sunshine (in tenths of hours)	0.6	0.2	0.1	0	0							
Wind direction	W	NWW		SW	SW	SW	SW	SW	NW	NW	NW	N
Wind movement	7	7	7	6	6	4	5	5	5	3	3	4

Sunset: Time, 4:58 Character, Cloudy
Moonset: 1:58p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

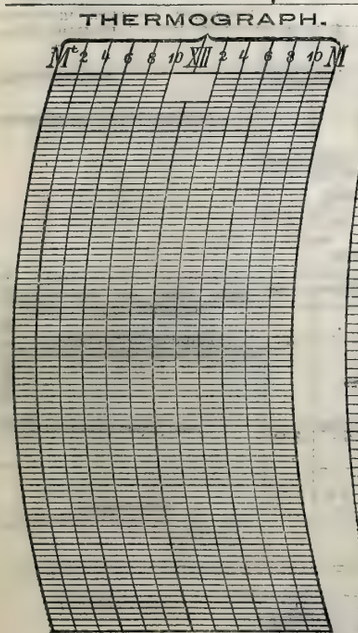
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	36	46	

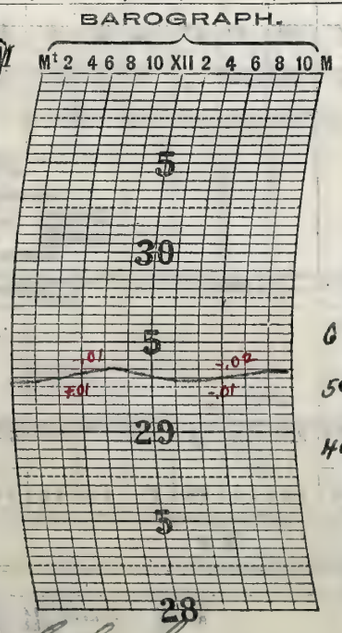
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 3.0 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 27
Prevailing wind direction, NW Total wind 120
Average hourly velocity, 4.2 Extreme velocity, 9
Maximum velocity, 9 Direction, NW
Time began, 1:38 pm
Reduced barometer, 30.26 7 a. m. 30.22 7 p. m.
River gage, 2.5
Relative humidity, 86 7 a. m. 63 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 Pm.
(Local Mean Time.)
Dry temperature, 52.0 Wet temperature, 43.5
Dew-point, 34 R. humidity, 49 V. pressure, .195
Clouds: Amount, 5; Kind, Cu.; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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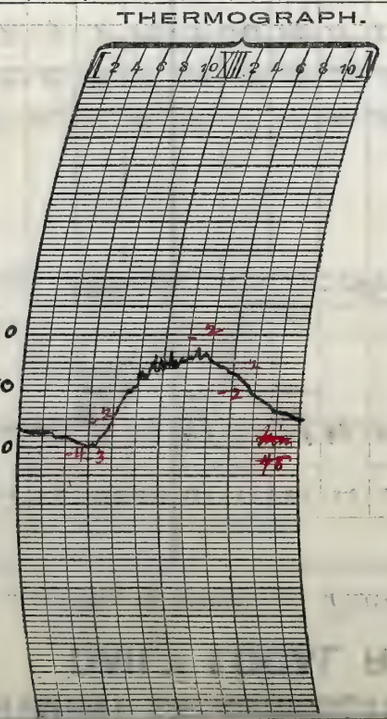


NOTES.

Frost warning included in the forecast message and received at 8:18 am.

Heavy frost occurred this morning.

The day as a whole was partly cloudy and cool with sun shining through broken cumulus clouds.

Prepared by C. A. Schick
Verified by F. M. Donovan

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 18 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	41	40	39	38	37	38	43	47	51	54	55
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Clear											
Sunshine (in tenths of hours)						.07 0	1.0 0	1.0 0	1.0 0	0.2 0.5	1.0	1.0
Wind direction	N	N	N	N	N	0	0	E	SE	SE	S	S
Wind movement	1	2	1	1	1	0	0	3	3	4	5	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	59	60	59	58	56	55	53	51	49	46	48
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear →											?
Sunshine (in tenths of hours)	1.0 1.0	1.0	1.0	0.4								
Wind direction	SW	SW	S	SW	SW	SW	SW	S	S	S	S	S
Wind movement	6	6	6	6	5	4	5	3	4	2	3	2

Sunrise: Time, 6:56 Character, Clear
Moonrise: 1:48a

Sunset: Time, 4:56 Character, Cloudy
Moonset: 2:11p

Maximum velocities (exceeding 28 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

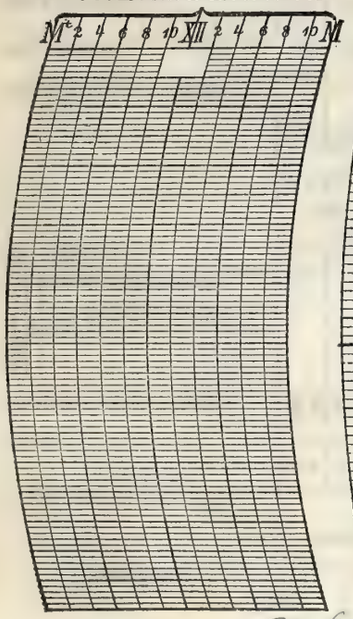
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	37	48	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 10.2 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 93
Prevailing wind direction, S Total wind 78
Average hourly velocity, 3.2 Extreme velocity, 8
Maximum velocity, 8 Direction, S
Time began, 2:03 p.m.
Reduced barometer, 30.33 7 a. m. 30.22 7 p. m.
River gage, 2.4
Relative humidity, 89 7 a. m. 55 7 p. m.

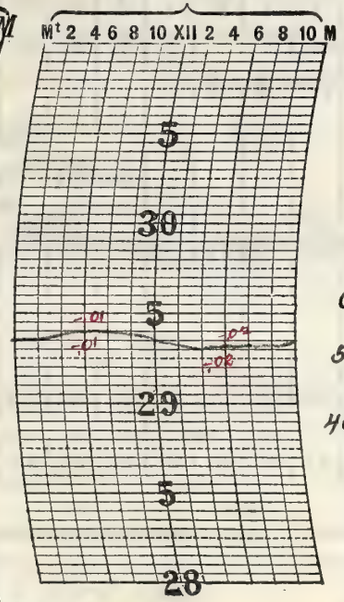
OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)

Dry temperature, 52.6 Wet temperature, 46.0
Dew-point, 33 R. humidity, 32 V. pressure, .187
Clouds: Amount, FEW; Kind, C. ST; Direction, NW.
Velocity of clouds (miles per hour)

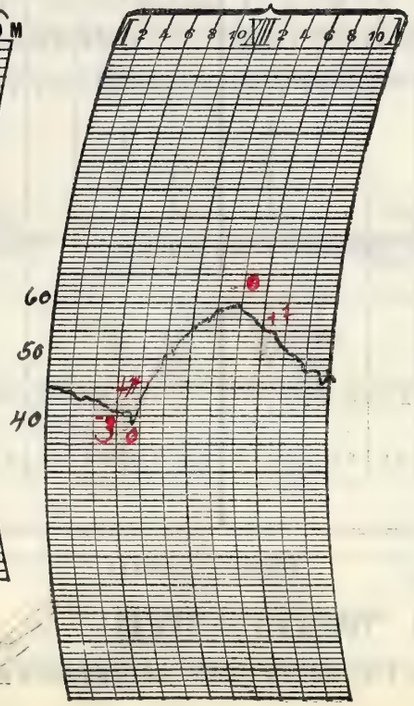
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy frost observed this morning. A great warning was unfolded in the regular area forecast which was received at 7:58 a.m. It was disseminated by means of the daily card bulletins.

Prepared by C. W. Stick
Verified by C. M. Donnegan

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 19 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	49	47	46	46	45	43	42	46	51	54	56	57
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	9				Pt Cloudy							
Sunrise: Time, Character,	5:57 Cloudy											
Moonrise:	2:49a											
Sunshine (in tenths of hours)						0	0	0.7	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	NW	NE	NE	NE	NE
Wind movement	2	2	1	3	1	2	1	3	7	9	7	7

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	58	58	57	57	54	53	52	49	47	46	44	42
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	x			Cloudy		x		Pt Cloudy				
Sunset: Time, Character,									4:55 Cloudy			
Moonset:									2:41p			
Sunshine (in tenths of hours)	1.0	1.0	0.9	0.3	0							
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	7	8	9	8	4	6	8	7	9	8	10	11

Maximum velocities (exceeding 29 miles) direction and time

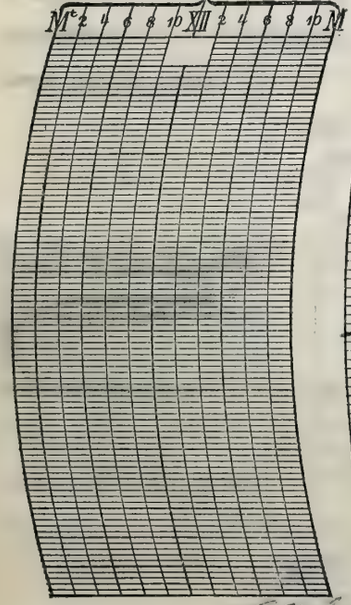
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	42	50	

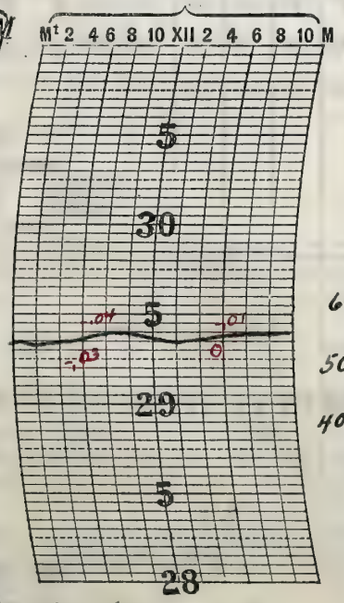
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 7.9 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 72
Prevailing wind direction, NE Total wind 140
Average hourly velocity, 5.8 Extreme velocity, 13
Maximum velocity, 13 Direction, NE
Time began, 11:01 pm.
Reduced barometer, 30.27 7 a. m. 30.31 7 p. m.
River gage, 2.3
Relative humidity, 83% 7 a. m. 70% 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 pm.
(Local Mean Time.)
Dry temperature, 57.3 Wet temperature, 49.8
Dew-point, 43 R. humidity, 57 V. pressure, .277
Clouds: Amount, 5; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

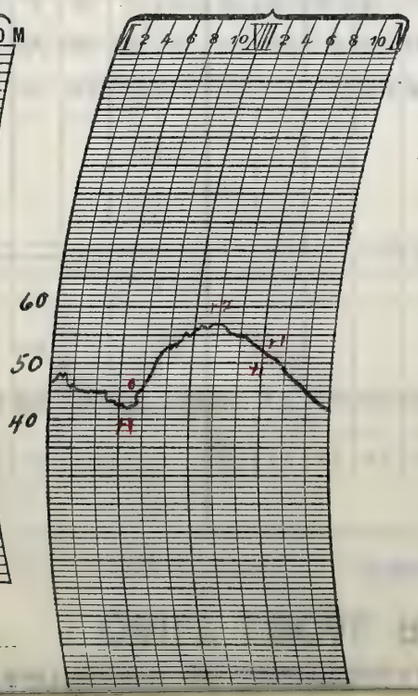
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy frost observed this morning. A faint solar halo of 22° showed at 6:40 am. It became brilliant at 12:18 pm. The length of arc was 360° and the colors were red, orange, yellow, green, blue, violet. The phenomena ended at 2:07 pm. The word "Clear" was added to the am telegraphic report. The day wore as a whole pretty cloudy and though the morning was given to cold the temperature rose rapidly resulting in a very pleasant day.

Prepared by E. A. Schick
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 20 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	40	39	39	38	37	38	43	47	51	54	56	59	61	60	60	58	57	57	57	57	56	56	52
State of weather: Nature of precipitation and time of beginning and ending																							RA DNP	
Amounts of precipitation																							.01	.01
Cloudiness and other conditions							Partly Cloudy												Cloudy					
Sunshine (in tenths of hours)						0	0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0							
Wind direction	NE	NE	NE	NE	NE	NE	NE	E	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	S	S	S
Wind movement	8	8	8	7	8	7	8	10	8	9	9	8	10	8	6	6	6	5	5	5	8	9	9	10
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5:58; Character, Cloudy. Moonrise: 3:50a

Sunset: Time, 4:53; Character, Cloudy. Moonset: 3:02p

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
61	37	49	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .02 inches.

Character of day, Partly Cloudy Moon phase,

Average daily cloudiness (0-10), 7

Actual sunshine, hours, 9.0 Possible sunshine, hours 10.9

Per cent of possible sunshine, 83

Prevailing wind direction, S.E. Total wind 185

Average hourly velocity, 7.7 Extreme velocity, 15

Maximum velocity, 13 Direction, SE

Time began, 10:56 p.m.

Reduced barometer, 30.31 7 a. m. 30.05 7 p. m.

River gage, 2.2 Ft.

Relative humidity, 87 7 a. m. 72 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

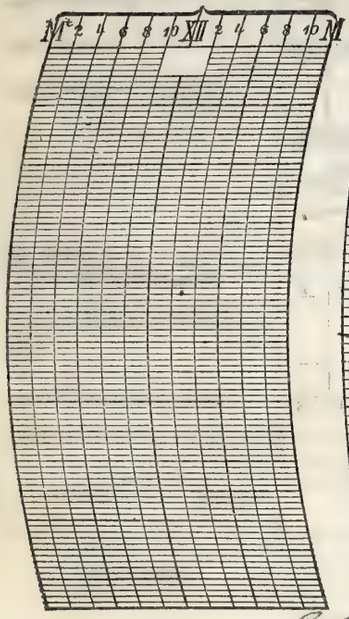
Dry temperature, 52.8 Wet temperature, 49.3

Dew-point, 42 R. humidity, 54 V. pressure, 266

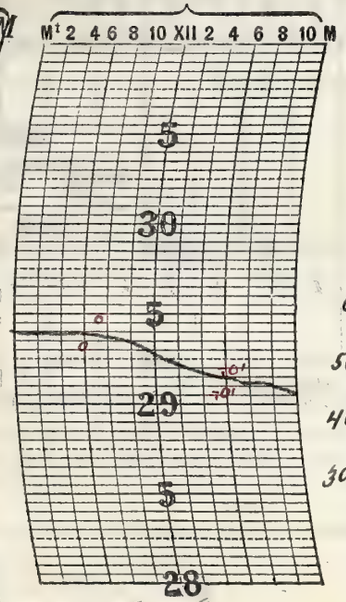
Clouds: Amount, 1; Kind, Cirro; Direction, W.

Velocity of clouds (miles per hour)

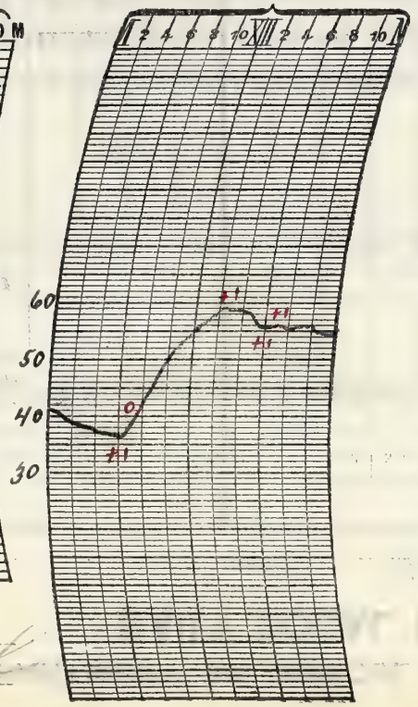
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy frost observed this morning. Bright solar halo of 22° was observed at 12:04 p.m. The arc was 360° in length and the colors visible were red, orange, yellow, green, blue and violet. The phenomena disappeared at 1:32 p.m.

Prepared by C. A. Schuck

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 21 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	57	55	55	55	55	52	52	51	50	51	53	53
State of weather: Nature of precipitation and time of beginning and ending								RE 7:17				
Amounts of precipitation	T	.03	.01	T	T	T	.01	T				
Cloudiness and other conditions	Cloudy											×
Sunrise: Time, Character,	5:59 Cloudy											
Moonrise:	4:50a											
Sunshine (in tenths of hours)						0	0	0	0	0.6	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	NW	W	W	W	W	W	W
Wind movement	13	11	11	9	8	8	6	9	9	11	11	13

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	56	55	54	54	53	53	50	49	47	46	45	44
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Cloudy						?
Sunset: Time, Character,									4:52 Cloudy			
Moonset:									3:32p			
Sunshine (in tenths of hours)	1.0	1.0	0.8	0.6	0							
Wind direction	W	W	W	W	W	W	W	W	W	W	SW	SW
Wind movement	14	14	13	12	10	11	9	9	7	7	7	7

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts.

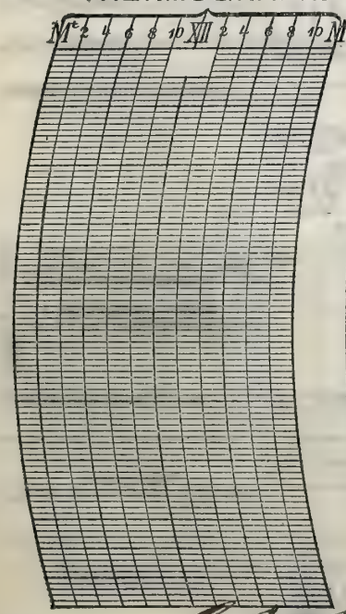
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	44	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .07 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .05 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 6.0 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 55
Prevailing wind direction, W Total wind 239
Average hourly velocity, 10.0 Extreme velocity, 19
Maximum velocity, 17 Direction, SW
Time began, 12:32 pm
Reduced barometer, 29.92 7 a. m. 30.03 7 p. m.
River gage, 2.2
Relative humidity, 87 7 a. m. 68 7 p. m.

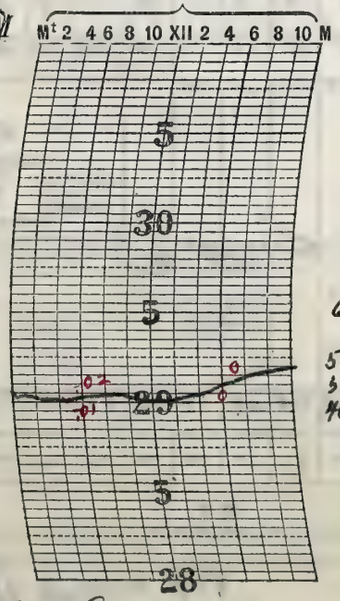
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 54.0 Wet temperature, 46.0
Dew-point, 38 R. humidity, 54 V. pressure, .228
Clouds: Amount, 6; Kind, A.St.; Direction, W.
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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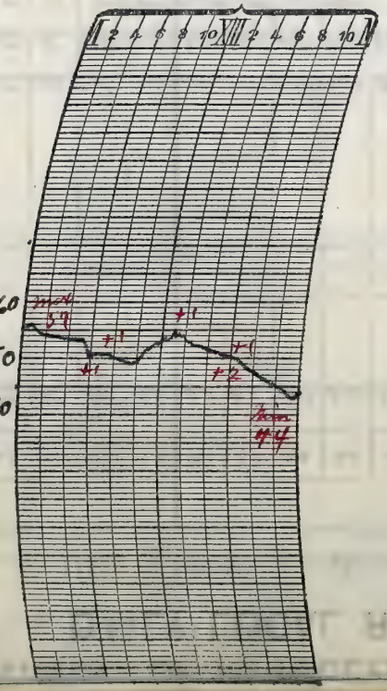


NOTES.

A bright solar halo of 22° was observed at 3:17 pm. The length of the arc was about 180° and the colors were red, orange, yellow, green and blue. An upper tangent arc of about 25° in length was visible throughout the period of the presence of the phenomena. The halo disappeared at 4:11 pm.

Prepared by C. O. Scheck

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 22 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	44	43	42	41	41	42	45	50	54	55	57
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	9				Clear							
Sunshine (in tenths of hours)							0.1	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	SW	S	S	S
Wind movement	6	7	6	7	6	6	4	3	3	5	7	7

Sunrise: Time, 6:00; Character, Clear. Moonrise: 5:50a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	60	59	59	56	54	52	50	49	48	46	44
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							8
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	.45 0.4							
Wind direction	S	S	S	S	SE	SE	SE	SE	SE	SE	SE	E
Wind movement	7	8	7	5	5	4	5	6	7	6	4	5

Sunset: Time, 4:51; Character, Clear. Moonset: 4:06p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

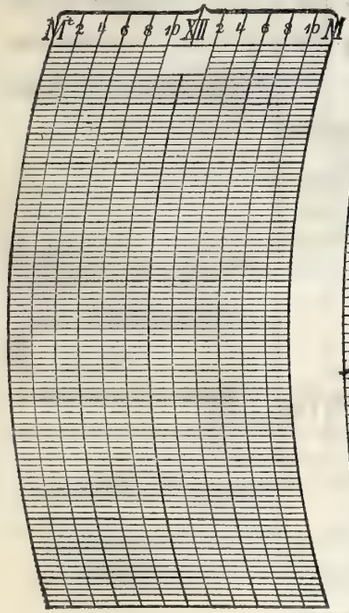
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	41	50	

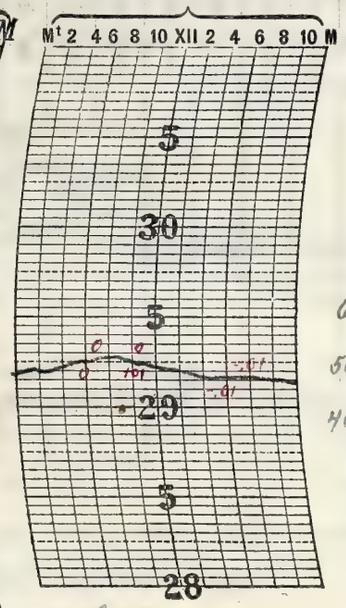
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 10.0 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 93
Prevailing wind direction, SW Total wind 136
Average hourly velocity, 5.7 Extreme velocity, 9
Maximum velocity, 9 Direction, SW
Time began, 12:47 pm
Reduced barometer, 30.18 7 a. m. 30.08 7 p. m.
River gage, 2.2
Relative humidity, 88 7 a. m. 68 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 pm
(Local Mean Time.)
Dry temperature, 57.0 Wet temperature, 48.0
Dew-point, 39 R. humidity, 51 V. pressure, .237
Clouds: Amount, 1; Kind, ~~Ci~~; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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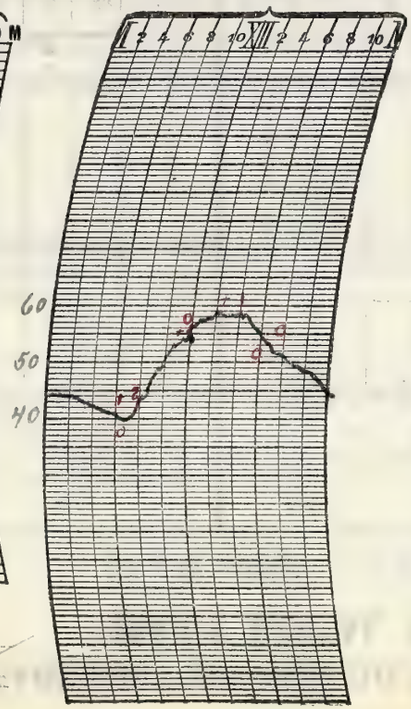


NOTES.

Light frost observed this morning.

Prepared by C. L. Schick
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 23 1913, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	42	42	44	46	46	47	49	52	56	60	64
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?				Cloudy							
Sunshine (in tenths of hours)							0	0	0	0.4	1.0	1.0
Wind direction	E	E	E	E	E	E	E	E	S	S	S	S
Wind movement	4	4	4	3	2	2	3	2	2	4	3	4

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	66	67	67	66	64	62	62	61	60	60	60
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					?
Sunshine (in tenths of hours)	1.0	0.8	0.4	0.5	0							
Wind direction	S	SE	E	E	E	E	NE	NE	NE	NE	E	E
Wind movement	3	3	3	3	3	5	5	4	7	5	6	6

Sunrise: Time, 6:02 Character, Cloudy
Moonrise: 6:48 p
Sunset: Time, 4:49 Character, Cloudy
Moonset: 4:37 p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

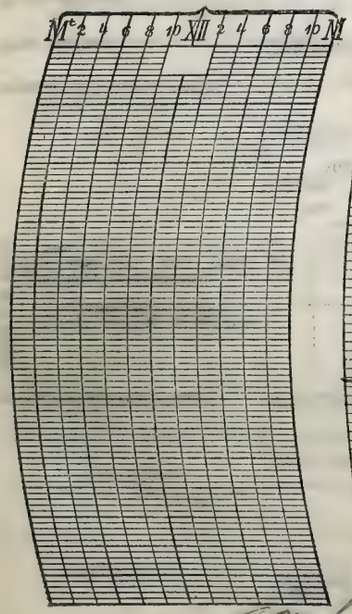
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
67	42	54	

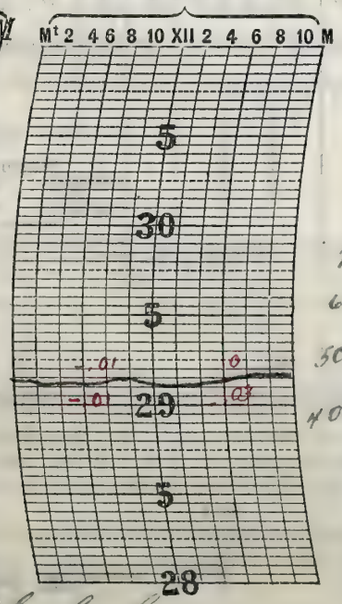
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase NEW 2:40 p.m.
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 5.1 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 47
Prevailing wind direction, E Total wind 90
Average hourly velocity, 3.8 Extreme velocity, 9
Maximum velocity, 7 Direction, E
Time began, 6:47 p.m.
Reduced barometer, 30.04 7 a. m. 30.04 7 p. m.
River gage, 2.2
Relative humidity, 83 7 a. m. 80 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 66.8 Wet temperature, 58.3
Dew-point, 53 R. humidity, 60 V. pressure, .402
Clouds: Amount, 9; Kind, Ast.; Direction, N.
Velocity of clouds (miles per hour)

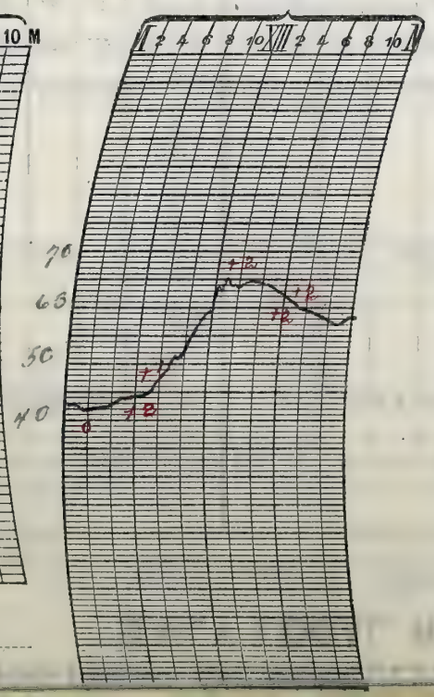
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by C. O. Schuck
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 21 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	58	58	58	56	54	54	55	58	64	67	69	70	70	71	69	67	65	64	63	62	61	62	62
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	?	Clear					Cloudy									Cloudy				Clear				?

Sunrise: Time, 6:03; Character, Cloudy. Moonrise: 7:45a

Sunset: Time, 4:48; Character, Cloudy. Moonset: 5:11p

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)							0	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0							
Wind direction	E	E	E	E	NE	NE	E	E	E	S	S	S	S	S	S	SE	SE	SE	SE	S	SE	S	S	S
Wind movement	5	5	5	6	4	5	7	4	4	3	6	9	9	9	9	9	8	9	9	8	9	10	13	11
Maximum velocities (exceeding 20 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

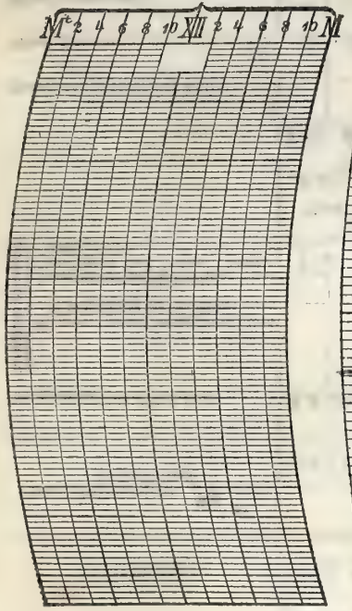
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
71	54	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Partly Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.6 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 80
Prevailing wind direction, S Total wind 126
Average hourly velocity, 7.3 Extreme velocity, 12
Maximum velocity, 12 Direction, S
Time began, 11:52 p.m.
Reduced barometer, 30.10 7a. m. 29.97 7p. m.
River gage, 2.1
Relative humidity, 84 7a. m. 77 7p. m.

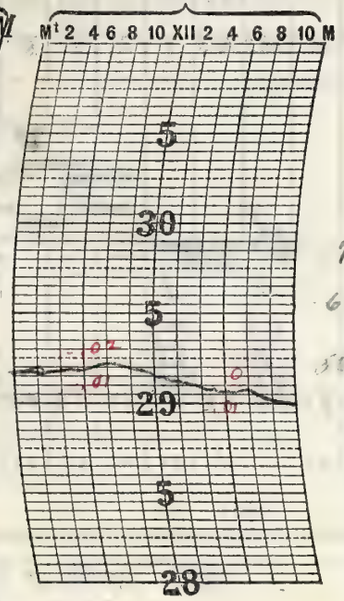
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M. (Local Mean Time.)

Dry temperature, 70.0 Wet temperature, 60.8
Dew-point, 55 R. humidity, 59 V. pressure, .432
Clouds: Amount, 5; Kind, Cu; Direction, S
Velocity of clouds (miles per hour)

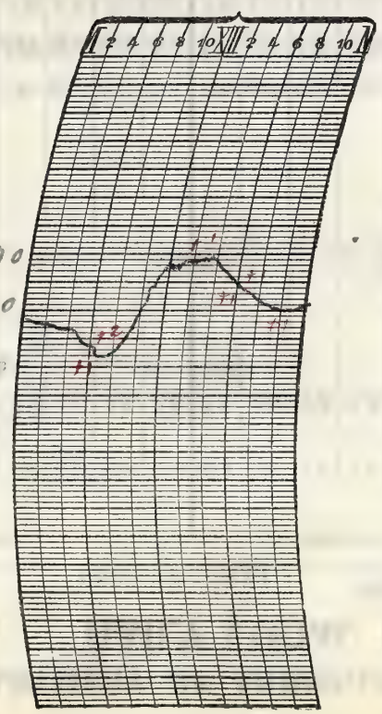
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light frost observed at the morning observation.
The day as a whole was partly cloudy with moderately high temperature for the season of the year.

Prepared by A. W. Cox
Verified by P. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 25 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	64	65	65	66	67	67	68	69	72	74	76
State of weather: Nature of precipitation and time of beginning and ending					RB 4:18 RE 4:42		RB 6:02 RE 6:14					
Amounts of precipitation					T		T					
Cloudiness and other conditions	?				Cloudy							
Sunshine (in tenths of hours)							0	0	0	0.2	1.0	1.0
Wind direction	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW
Wind movement	14	15	16	15	15	17	15	17	17	17	21	22

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	79	78	77	74	74	71	68	66	65	63	59
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy						Cloudy					
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.4							
Wind direction	SW	SW	SW	SW	SW	W	W	W	W	W	W	NW
Wind movement	19	20	20	16	11	10	7	12	11	12	10	6

Sunrise: Time, 6:04 Character, Cloudy

Moonrise: 8:44 a

Sunset: Time, 4:46 Character, Cloudy

Moonset: 5:47 p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	57	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10),

Actual sunshine, hours, 7.1 Possible sunshine, hours, 10.7

Per cent of possible sunshine, 66

Prevailing wind direction, SW Total wind 356

Average hourly velocity, 14.8 Extreme velocity, 35

Maximum velocity, 27 Direction, SW

Time began, 12:24 pm

Reduced barometer, 29.79 7 a. m. 29.85 7 p. m.

River gage,

Relative humidity, 8 7 a. m. 77 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

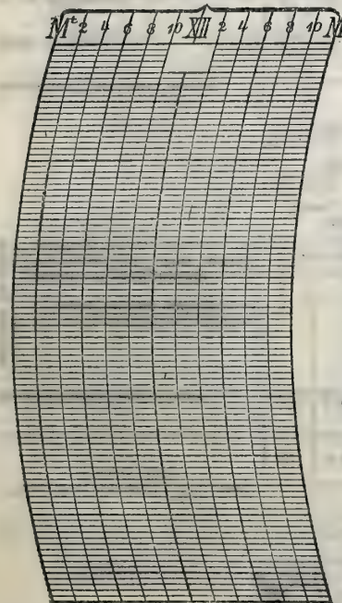
Dry temperature, 76.8 Wet temperature, 68.8

Dew-point, 65 R. humidity, 67 V. pressure, 616

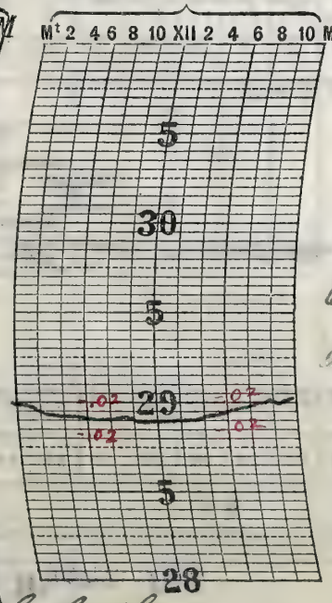
Clouds: Amount, 6; Kind, Cu; Direction, SW.

Velocity of clouds (miles per hour)

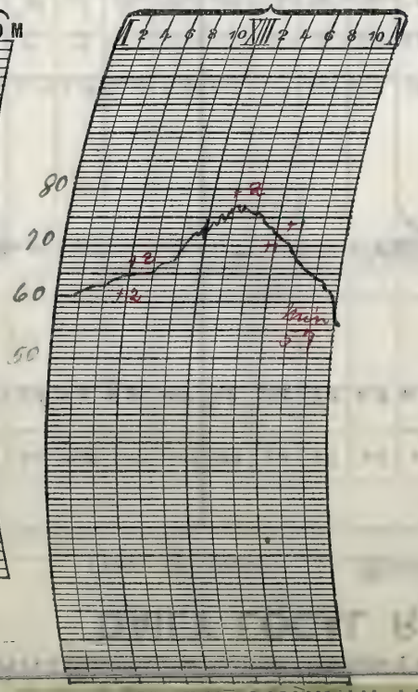
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by C. E. Schick

Verified by P. McDonough

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 26 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	54	52	52	52	52	53	53	53	53	51	51
Nature of precipitation and time of beginning and ending	RB DNA							RE 7:38			RB 10:00	
Amounts of precipitation	T	.38	.10	T	.01	.01	.03	.02			T	.01
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NW	NW	NW	NW	NW	W	W	W	NW	NW	N	NE
Wind movement	3	6	8	7	6	6	4	3	4	4	7	6

Sunrise: Time, 6:05; Character, Cloudy. Moonrise: 9:31 a.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	51	51	51	51	51	51	51	50	49	49	49
Nature of precipitation and time of beginning and ending									RE 8:26 RB 8:45			
Amounts of precipitation	.01	T	.01	T	.01	T	.02	.01	T	T	.02	.01
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	N	NE	NE	NE	NE	NE	E	E	NE	E	E	E
Wind movement	7	8	8	7	5	6	5	9	8	11	11	8

Sunset: Time, 4:45; Character, Cloudy. Moonset: 6:29 p.

State of weather.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

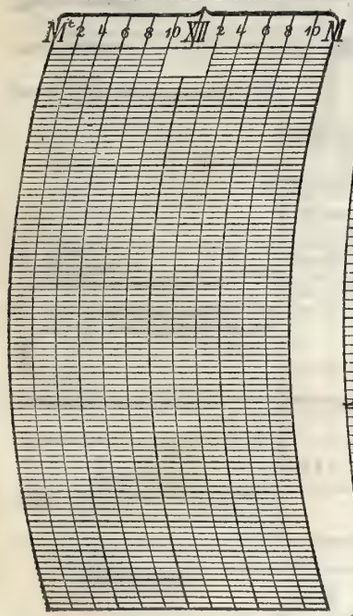
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	49	53	

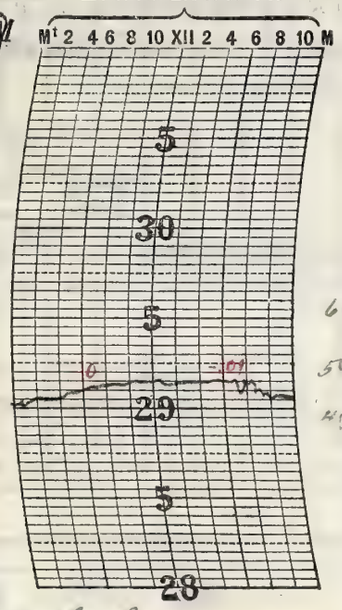
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .52 ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, .65 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 0
Prevailing wind direction, NE+NW. Total wind 157
Average hourly velocity, 6.5 Extreme velocity, 16
Maximum velocity, 16 Direction, E
Time began, 10:00 pm
Reduced barometer, 30.03 7 a. m. 30.01 7 p. m.
River gage, 2.2
Relative humidity, 93 7 a. m. 98 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 pm
(Local Mean Time.)
Dry temperature, 51.0 Wet temperature, 50.0
Dew-point, 49 R. humidity, 94 V. pressure, .347
Clouds: Amount, 10; Kind, Nb; Direction, N
Velocity of clouds (miles per hour)

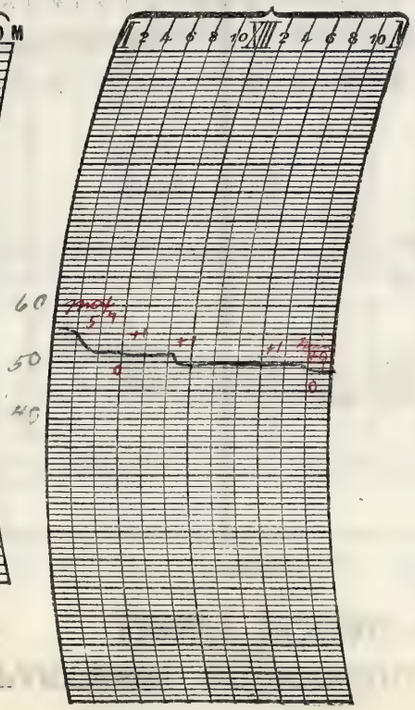
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Thunderstorm:- Began and ended during night am.
A cloudy, disagreeable day with fine rain the greater part of the day.
Normal 90th M.T. effective this date.
(The thunder began practically at mid night, see barograph trace.)

Prepared by C. A. Schick
Verified by C. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 27 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	51	51	51	52	51	51	50	53	53	53 RE 16:07	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	T	.04	.05	.02	.07	.04	.02	.01	T	T	T	
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	E	NE	NE	NE	NE	NE	E	E	E	E	NE	E
Wind movement	9	8	6	6	6	9	7	5	5	5	5	4

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	56	56	57 RE 33	58	59	61	61	61	61	61	62
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation				.01	T	.03	.18	.13	.02	.04		
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NE	E	E	E	E	SE	SW	SW	S	S	S	S
Wind movement	4	4	4	3	4	5	7	11	11	13	16	18

Sunrise: Time, 6:06; Character, Cloudy. Moonrise: 10:10.

Sunset: Time, 4:44; Character, Cloudy. Moonset: 7:15 p.

Maximum velocities (exceeding 23 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
62	49	56	—

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .28 ins.; to 7 p. m., .17 ins.

Total precipitation, midnight to midnight, 0.0 inches.

Character of day, ——— Moon phase, ———

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 10.6

Per cent of possible sunshine, 0

Prevailing wind direction, S Total wind 175

Average hourly velocity, 7.3 Extreme velocity, 23

Maximum velocity, 21 Direction, S

Time began, 11:43 pm

Reduced barometer, 29.84 7 a. m. 29.84 7 p. m.

River gage, 2.3

Relative humidity, 95 7 a. m. 97 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 pm.
(Local Mean Time.)

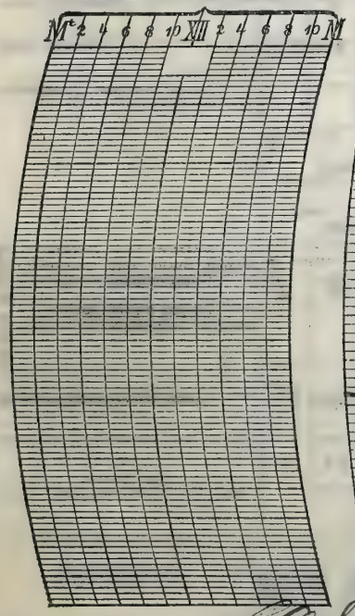
Dry temperature, 54.0 Wet temperature, 53.0

Dew-point, 52 R. humidity, 94 V. pressure, .327

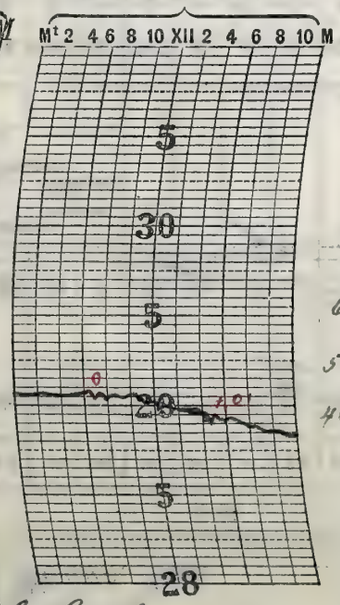
Clouds: Amount, 10; Kind, St; Direction, E

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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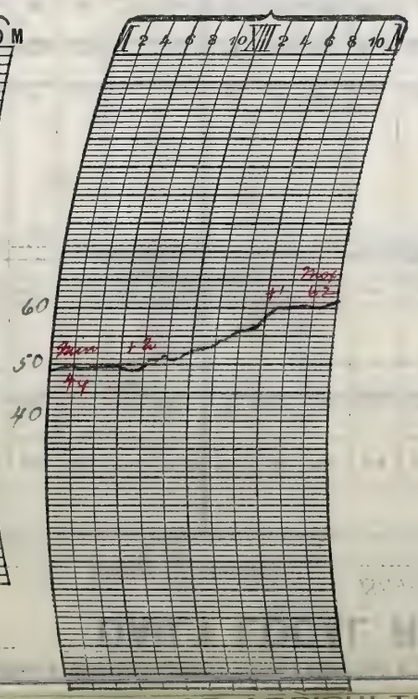


NOTES.

Dark and gloomy day with light rain during a large portion of the time.

Prepared by C. A. Schick

Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 28 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	51	48	47	45	44	43	41	41	41	40	40
State of weather: Nature of precipitation and time of beginning and ending		RE DNA										
Amounts of precipitation	.15	.04										
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	6:07 Cloudy											
Moonrise:	11:02a											
Sunshine (in tenths of hours)							0	0	0	0	0.2	0.1
Wind direction	SW	W	W	W	W	W	W	W	W	W	W	W
Wind movement	21	21	22	23	20	21	17	18	17	16	18	13
Maximum velocities (exceeding 29 miles) direction and time	30 W 12:34					30 W 5:41						

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	41	40	40	39	38	38	38	38	37	36	35
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											9
Sunset: Time, Character,									4:42 Cloudy			
Moonset:									8:04p			
Sunshine (in tenths of hours)	0.2	0	0	0	0							
Wind direction	W	W	W	W	W	W	NW	W	W	W	W	W
Wind movement	12	12	10	8	7	6	4	4	4	3	4	3

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
62	35	48	

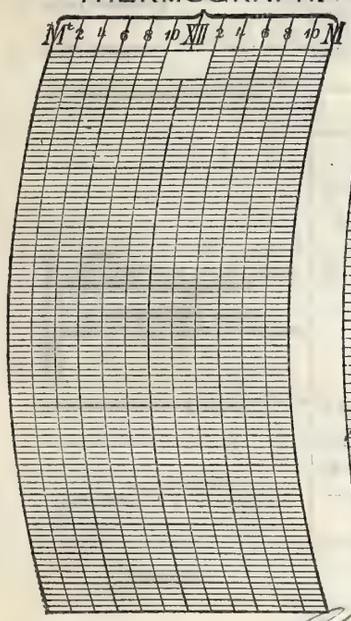
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .26 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .19 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.5 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 5
Prevailing wind direction, W. Total wind 304
Average hourly velocity, 12.7 Extreme velocity, 33
Maximum velocity, 30 Direction, W
Time began, 12:34 pm.
Reduced barometer, 30.04 a. m. 30.30 p. m.
River gage, 2.9
Relative humidity, 70 a. m. 83 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

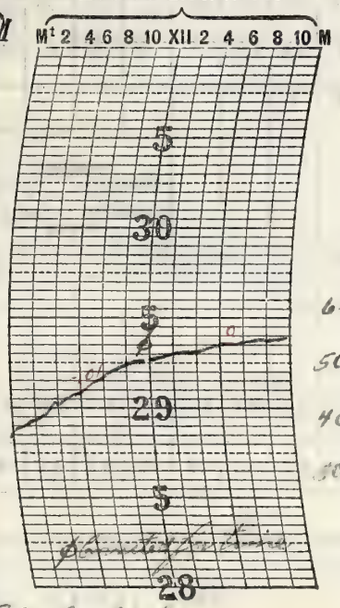
OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)

Dry temperature, 40.0 Wet temperature, 35.5
Dew-point, 29 R. humidity, 64 V. pressure, .157
Clouds: Amount, 10; Kind, St.Cu.; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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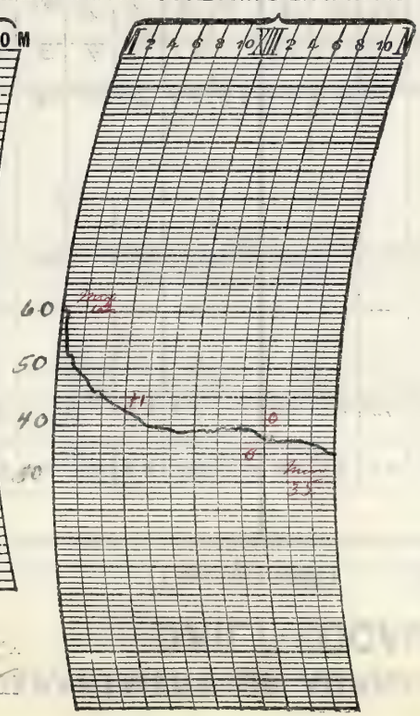


NOTES.

Prepared by C. A. Schuh
Verified by P. McGlaughlin

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 29 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	34	33	32	32	33	37	41	43	44	45	49	50	51	50	49	48	48	47	47	47	47	47
State of weather: Nature of precipitation and time of beginning and ending																	RB 4:10							
Amounts of precipitation																	.02	.02	T	.01	.02	.03	.03	.02
Cloudiness and other conditions	7			Clear				×		Partly Cloudy			×				Cloudy							P
Sunshine (in tenths of hours)							0.2 0	0.6	1.0	1.0	0.4	0.4	1.0	0.4	0	0	0							
Wind direction	NW	N	N	N	N	NE	NE	E	E	E	SE	SE	SE	SE	SE	E	SE	E	E	E	SE	SE	SE	E
Wind movement	3	3	3	4	4	5	5	6	8	7	6	5	5	4	4	4	4	7	5	5	6	5	5	5
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:09 Character, Cloudy
Moonrise: ----
Sunset: Time, 4:41 Character, Cloudy
Moonset: 9:00 p.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

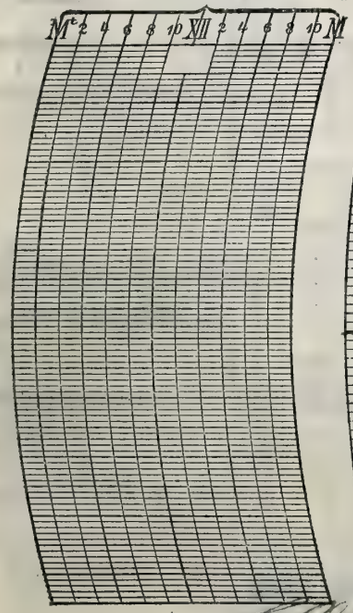
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
51	32	42	

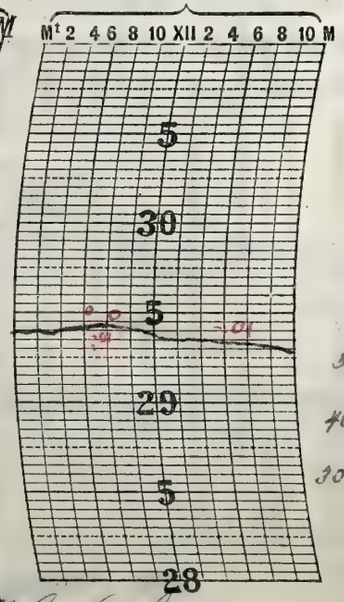
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .15 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.0 Possible sunshine, hours, 10.5
Per cent of possible sunshine, 48
Prevailing wind direction, SE Total wind 118
Average hourly velocity, 4.9 Extreme velocity, 11
Maximum velocity, 11 Direction, E
Time began, 8:08 am
Reduced barometer, 30.38 7 a. m. 30.25 7 p. m.
River gage, 7.0
Relative humidity, 90 7 a. m. 82 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)
Dry temperature, 48.5 Wet temperature, 43.0
Dew-point, 36 R. humidity, 64 V. pressure, .211
Clouds: Amount, 7; Kind, Cir St; Direction, SW
Velocity of clouds (miles per hour)

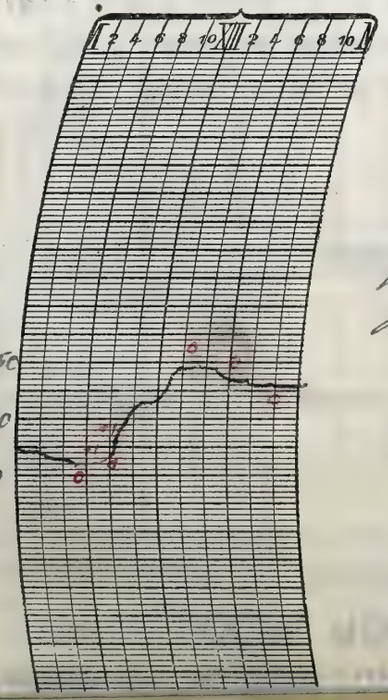
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Killing frost observed this morning.

Solar halo of 22° radius was observed at 12:11 pm. The phenomena was bright and the colors visible were red, orange, yellow, green, and blue. The length of the arc was about 175° and the predominant clouds were Cirro Stratus from the west. The phenomena disappeared at 1:51 pm.

Prepared by E. A. Schick
Verified by J. W. Bomrosh

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 30 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	48	49	49	49	49	49	50	54	60	68	70
State of weather: Nature of precipitation and time of beginning and ending	RE DNA											
Amounts of precipitation	.02											
Cloudiness and other conditions	?		Pt. Cloudy					×	Cloudy			
Sunrise: Time, Character,	6:10 Cloudy											
Moonrise:	----											
Sunshine (in tenths of hours)							0	0.3	0.4	0.7	0.9	1.0
Wind direction	SE	SE	SE	SE	SE	E	NE	E	E	SE	S	SW
Wind movement	4	5	3	3	4	3	5	4	3	4	9	16

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	74	75	75	73	69	69	69	69	69	69	69
State of weather: Nature of precipitation and time of beginning and ending						RB 5:05	RE 6:05					
Amounts of precipitation						.30	T					
Cloudiness and other conditions						Cloudy						×
Sunset: Time, Character,									4:40 Cloudy			
Moonset:									9:57 p.			
Sunshine (in tenths of hours)	1.0	0.9	1.0	0.8	0							
Wind direction	SW	SW	S	S	S	S	S	S	S	SW	SW	SW
Wind movement	13	14	13	12	11	13	12	12	14	17	18	17

Maximum velocities (exceeding 27 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
75	47	61	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .13 ins.; to 7 p. m., .30 ins.

Total precipitation, midnight to midnight, .32 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 2.0 Possible sunshine, hours, 10.5

Per cent of possible sunshine, 67

Prevailing wind direction, S Total wind 230

Average hourly velocity, 9.6 Extreme velocity, 22

Maximum velocity, 20 Direction, S

Time began, 10:17 p.m.

Reduced barometer, 30.17 7 a. m. 30.05 7, p. m.

River gage, 8.3

Relative humidity, 95 7 a. m. 92 7 p m.

OBSERVATIONS AT ~~12 NOON.~~ 12:00 P.M.
(Local Mean Time.)

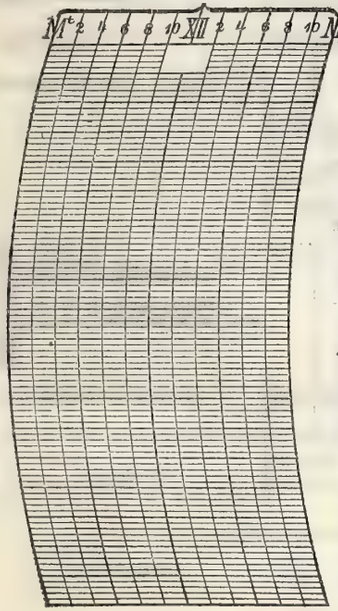
Dry temperature, 72.2 Wet temperature, 67.0

Dew-point, 65 R. humidity, 77 V. pressure, .616

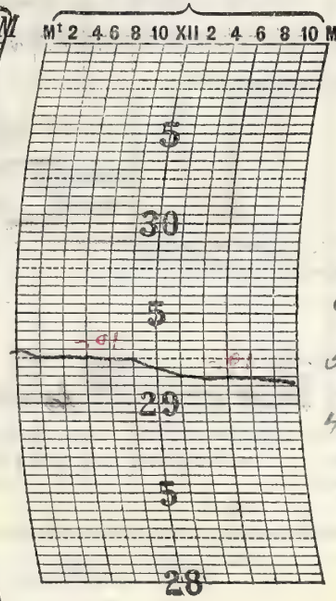
Clouds: Amount, 7; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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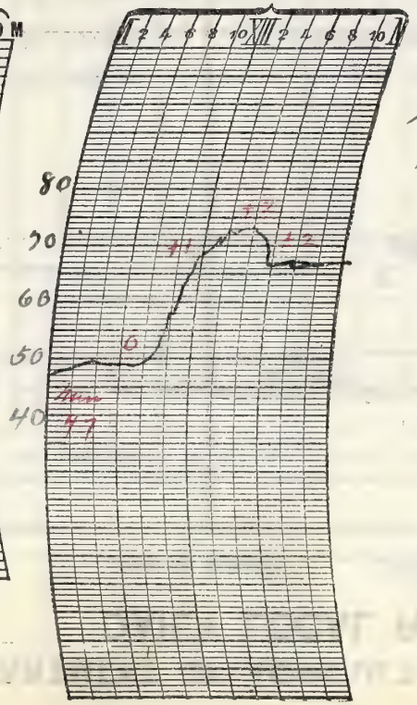


NOTES.

Special noon observation called for by Central Office. Report filled at 12:05 p.m. (75th Meridian Time).

Prepared by C. A. Schick

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 31 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	69	69	68	68	68	68	68	68	65	64	64
State of weather: Nature of precipitation and time of beginning and ending				RB DNA RE DNA				RB 7:07				
Amounts of precipitation				.01				.01	.15	.40	.12	.06
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	S
Wind movement	16	19	21	16	13	11	10	11	9	10	5	8

Sunrise: Time, 6:11; Character, Cloudy. Moonrise: 0:17p

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	64	64	64	64	64	63	63	61	61	59	57
State of weather: Nature of precipitation and time of beginning and ending		RE 1:30	RB 2:50			RE 5:50		RB 7:06 RE 7:10				
Amounts of precipitation	.02	T	T	T	T	.02		T				
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	SW	SW	SW	SW	SW	SW	NW	NW	NW	NW	NW
Wind movement	12	7	10	9	9	8	7	8	8	7	8	6

Sunset: Time, 4:38; Character, Cloudy. Moonset: 10:58p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

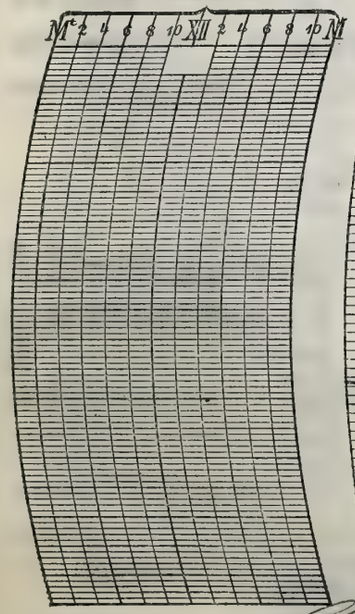
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	57	63	

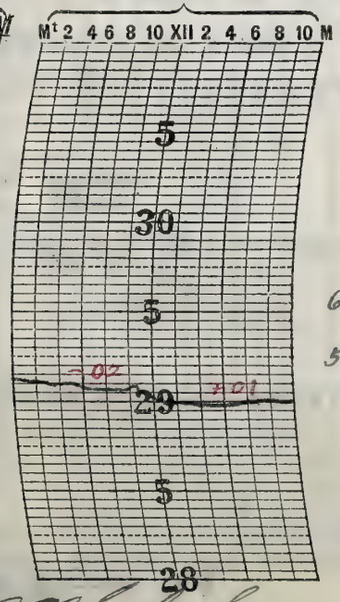
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .85 ins.
Total precipitation, midnight to midnight, .86 inches.
Character of day, Cloudy. Moon phase, F.Q. 7:43 pm.
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 250
Average hourly velocity, 10.4 Extreme velocity, 26
Maximum velocity, 25 Direction, S
Time began, 2:31 am
Reduced barometer, 29.95 7 a. m. 29.92 7 p. m.
River gage, 8.7
Relative humidity, 90 7 a. m. 95 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 pm
(Local Mean Time.)
Dry temperature, 64.0 Wet temperature, 63.0
Dew-point, 62 R. humidity, 95 V. pressure, .555
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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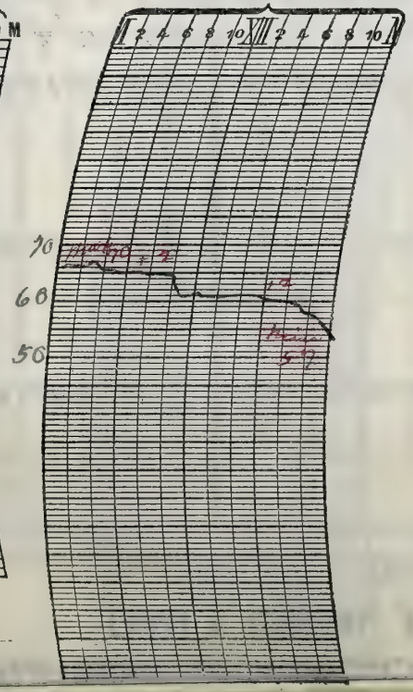


NOTES.

Thunderstorm:— First thunder heard 9:08 am. and ended at 11:31 am. The storm moved from the southwest to northeast, was light in character and attended by a moderate fall of rain.

Prepared by C. C. Schick

Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV - 1 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	54	53	52	50	49	47	45	44	44	44	43
Nature of precipitation and time of beginning and ending							RB 6:10	RE ~~2:09~~	RE 8:07		RB 10:54	
Amounts of precipitation							.03	.01	.01		T	.03
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NW	NW	NW	NW	N	N	NW	N	NE	N	N	N
Wind movement	6	5	4	8	8	7	8	8	7	8	9	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	43	43	43	43	43	43	42	42	41	39	38
Nature of precipitation and time of beginning and ending			RE 2:29									
Amounts of precipitation	T	T	T									
Cloudiness and other conditions	Cloudy											7
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	N	N	N	N	N	N	NW	NW	NW	NW	NW	NW
Wind movement	8	10	9	7	9	7	8	8	7	5	6	6

State of weather.

Sunrise: Time, 6:14 Character, Cloudy

Moonrise: 12:50 P.

Sunset: Time, 4:37 Character, Cloudy

Moonset: 12:00 M

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	38	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., .06 ins.

Total precipitation, midnight to midnight, .08 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 10.4

Per cent of possible sunshine, 0

Prevailing wind direction, N Total wind 177

Average hourly velocity, 7.4 Extreme velocity, 13

Maximum velocity, 13 Direction, N

Time began, 6:48 am

Reduced barometer, 29.93 7 a. m. 29.94 7 p. m.

River gage, 11.3

Relative humidity, 90 7 a. m. 70 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 pm (Local Mean Time.)

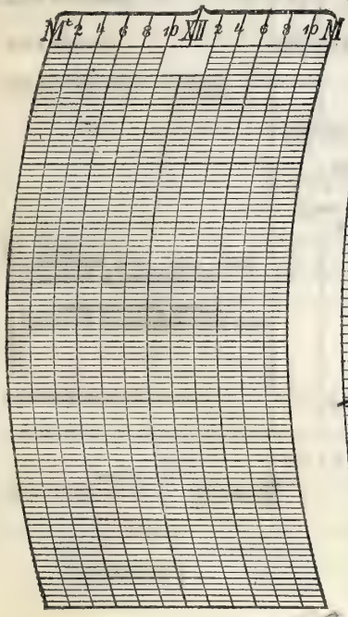
Dry temperature, 43.8 Wet temperature, 42.0

Dew-point, 40 R. humidity, 87 V. pressure, .247

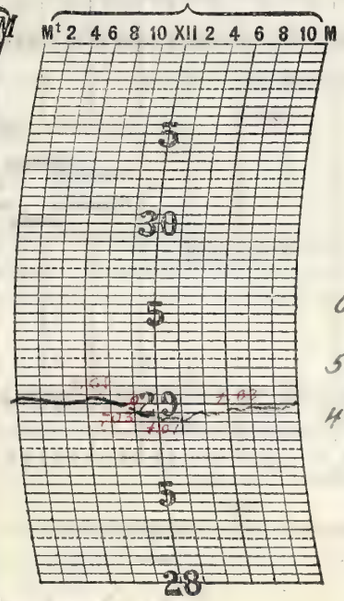
Clouds: Amount, 10; Kind, Nb; Direction, W

Velocity of clouds (miles per hour)

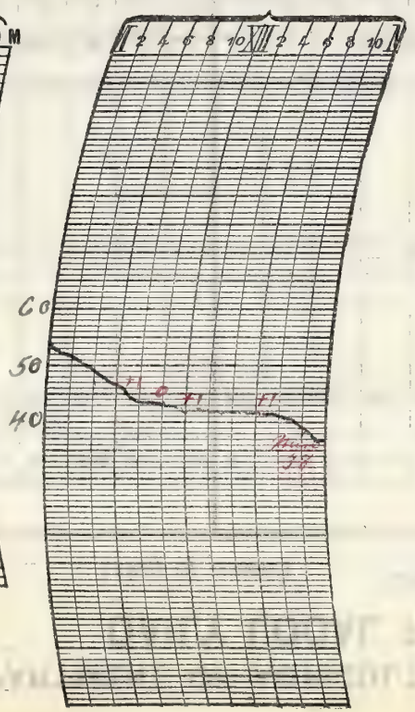
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special 1:00 pm, 75th Thursday Time observation called for by the Central Office.

A cool, damp and murky day.

Prepared by [illegible]

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wingate, N.M., (Day of week) Sunday, (Date) NOV - 2 1919, 191

Time (local standard) 90 mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	35	35	34	34	34	33	34	40	43	45	46
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	9					Clear						
Sunrise: Time, 6:13 Character, Clear												
Moonrise: 1:21 p.												
Sunshine (in tenths of hours)							0	0.8	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NE	E	E	E
Wind movement	6	7	3	4	4	2	4	2	3	3	3	2
Maximum velocities (exceeding 20 miles) direction and time												

Time (local standard) 90 mer. normal time.	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	51	51	49	48	46	41	45	42	42	42	40
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunset: Time, 4:34 Character, Clear												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.2							
Wind direction	E	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	3	4	5	5	5	4	4	4	3	3	4	6
Maximum velocities (exceeding 20 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
51	33	42	

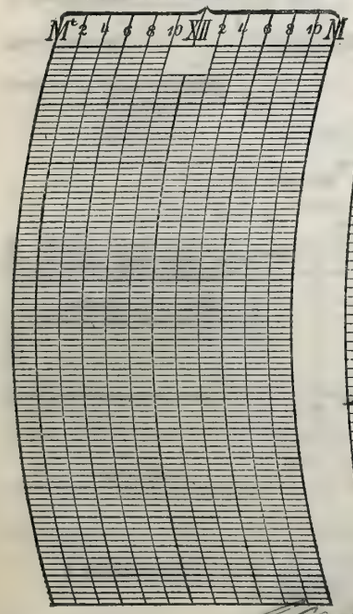
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 10.2 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 98
Prevailing wind direction, SE Total wind 93
Average hourly velocity, 3.9 Extreme velocity, 8
Maximum velocity, 8 Direction, NW
Time began, 1:01 am
Reduced barometer, 29.96 7 a. m. 29.96 7 p. m.
River gage, 11.1
Relative humidity, 90 7 a. m. 46 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

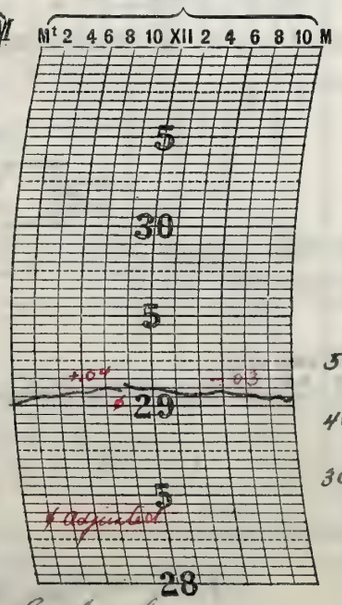
OBSERVATIONS AT 12 ~~NOON~~. 12:38 PM
(Local Mean Time.)

Dry temperature, 48.0 Wet temperature, 42.0
Dew-point, 35 R. humidity, 60 V. pressure, .203
Clouds: Amount, Few; Kind, Cu; Direction, E
Velocity of clouds (miles per hour)

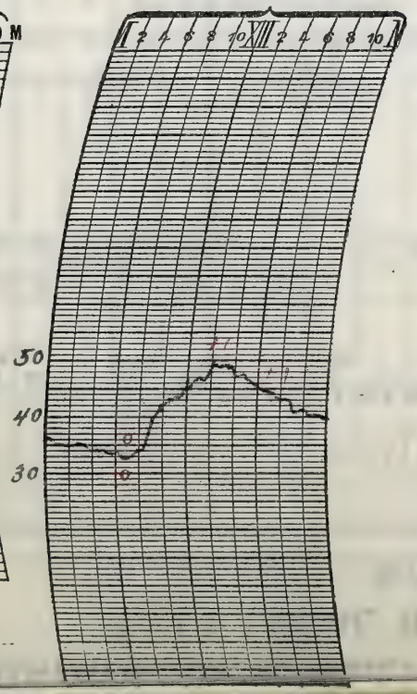
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cool, clear, and invigorating day.

Prepared by C. A. Schick
Verified by P. M. Donnelly

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV - 3 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	38	38	37	37	36	37	38	41	44	48	50	50	51	53	52	52	51	50	49	48	48	48	48	48
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	?					Cloudy									Hazy				Clear					?
Sunrise: Time, Character,	6:15 Cloudy																							
Moonrise:	11:53p																							
Sunset: Time, Character,																					4:35 Cloudy			
Moonset:																					1:05a			
Sunshine (in tenths of hours)							0	0	0.4	1.0	1.0	1.0	1.0	1.0	0.2	0	0							
Wind direction	E	E	E	E	E	E	E	SE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	4	5	5	5	5	3	3	5	6	9	10	9	9	9	8	7	4	5	7	9	10	11	13	11
Maximum velocities (exceeding 22 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
53	36	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 5.8 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 56
Prevailing wind direction, S Total wind 172
Average hourly velocity, 7.2 Extreme velocity, 15
Maximum velocity, 14 Direction, SE
Time began, 10:39 pm
Reduced barometer, 29.88 7 a. m. 29.93 3 p. m.
River gage,
Relative humidity, 83 7 a. m. 60 3 p. m.

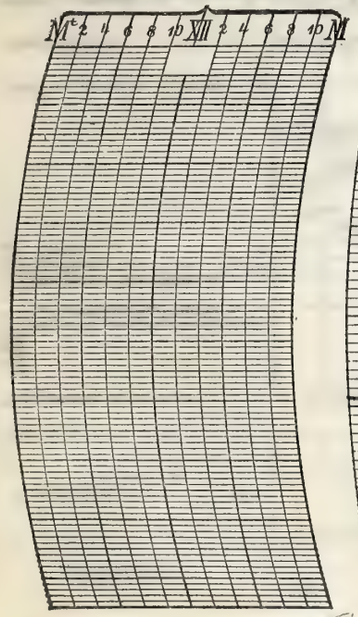
OBSERVATIONS AT ~~12 NOON.~~ 12:38 pm
(Local Mean Time.)
Dry temperature, 51.0 Wet temperature, 44.0
Dew-point, 36 R. humidity, 57 V. pressure, .211
Clouds: Amount, 4; Kind, Cu St; Direction, NW
Velocity of clouds (miles per hour)

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

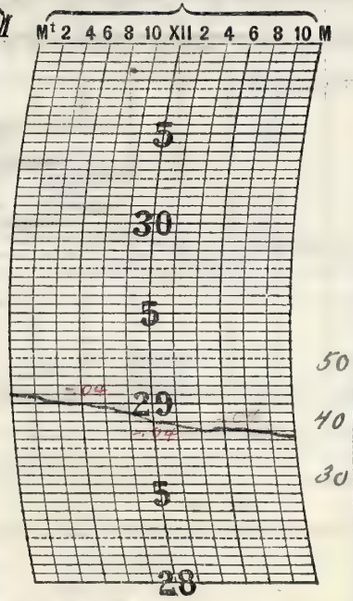
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

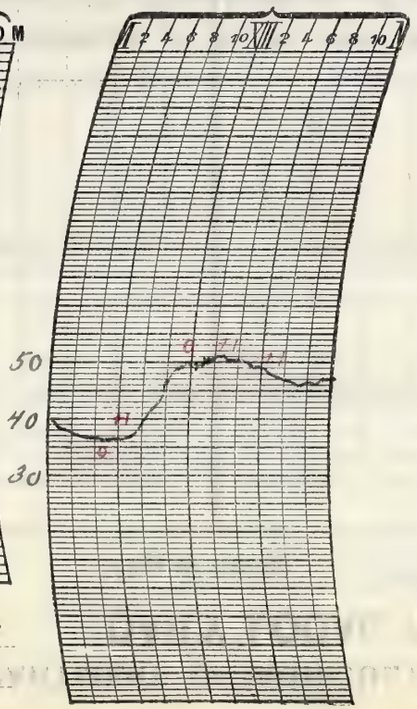
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special one pm. 75th Mer. Time observation called for by Central Office.

Prepared by C. C. Schuck
Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV - 4 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	50	49	48	44	41	[illegible]	37	36	35	35	[illegible]
State of weather: Nature of precipitation and time of beginning and ending					RB 0[illegible]		RE 0[illegible]					
Amounts of precipitation					.03	.02	T					
Cloudiness and other conditions	?				Cloudy							
Sunrise: Time, Character, Moonrise:	6:16 Cloudy 2:28p											
Sunshine (in tenths of hours)							0	0.4	1.0	0.5	0	0
Wind direction	SW	SW	SW	SW	W	SW	SW	W	W	W	W	W
Wind movement	11	18	14	19	16	19	18	22	21	19	19	[illegible]

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	32	32	33	33	33	32	32	32	32	32
State of weather: Nature of precipitation and time of beginning and ending	SMB		SME									
Amounts of precipitation	T	T	T									
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character, Moonset:	4:34 Cloudy 2:12a											
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	20	21	21	19	18	17	19	17	15	16	16	[illegible]

Maximum velocities (exceeding 28 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

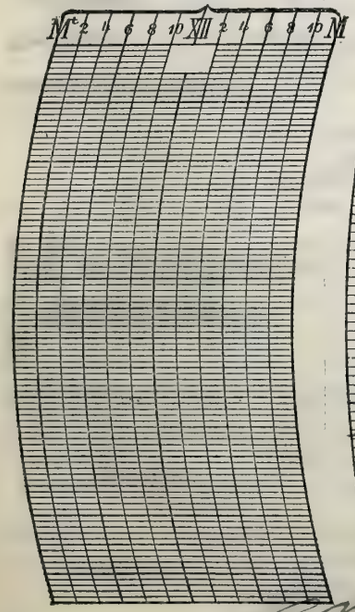
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	32	41	

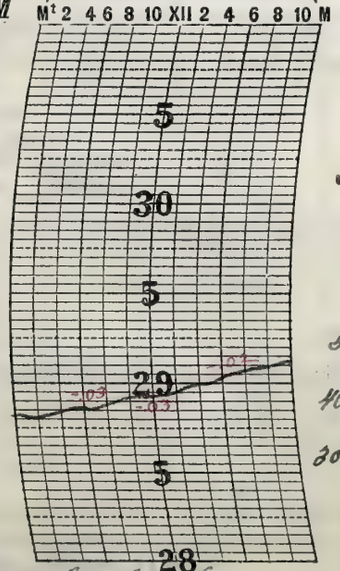
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .05 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .05 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.9 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 18
Prevailing wind direction, W Total wind 412.5
Average hourly velocity, 17.7 Extreme velocity, 32
Maximum velocity, 28 Direction, W
Time began, 12:41 pm
Reduced barometer, 29.25 7 a. m. 29.22 7, p. m.
River gage, 8'
Relative humidity, 70 7 a. m. 60 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 35.0 Wet temperature, 30.4
Dew-point, 23 R. humidity, 58 V. pressure, .118
Clouds: Amount, 10; Kind, Strat; Direction, W
Velocity of clouds (miles per hour)

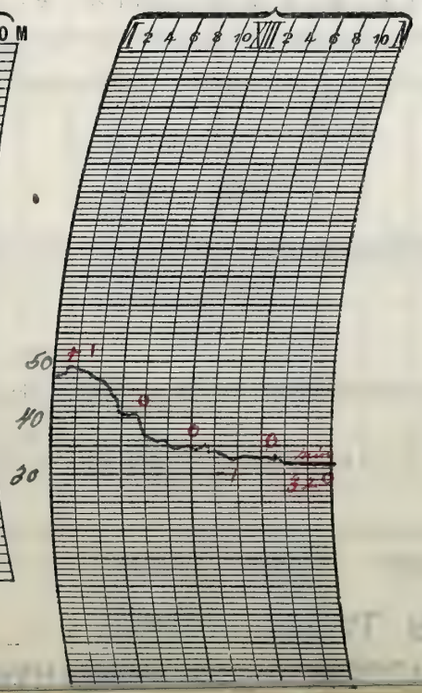
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special observation, 1:00 pm.; 75th Meridian Time, called for by Central Office.

Cold and windy all day with Strato-Cumulus clouds.

Prepared by C. C. Schick

Verified by J. M. C. Donovan

Form No. 1013—Oct. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) November 5, 1919

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	32	32	32	33	33	33	35	37	40	40	42	43	44	43	42	41	40	40	40	38	36	35
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Cloudy							Cloudy						Clear					
Sunshine (in tenths of hours)							0	0	0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.5							
Wind direction	W	W	SW	W	SW	W	SW	W	SW	W	W	NW	N	N	NE	NE	E	E	E	E	SE	SE	SE	E
Wind movement	13	13	15	12	12	11	11	9	10	8	6	7	6	4	4	4	5	3	4	3	4	3	5	3
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:17; Character, Cloudy. Moonrise: 2:59 p

Sunset: Time, 4:32; Character, Clear. Moonset: 3:23 a

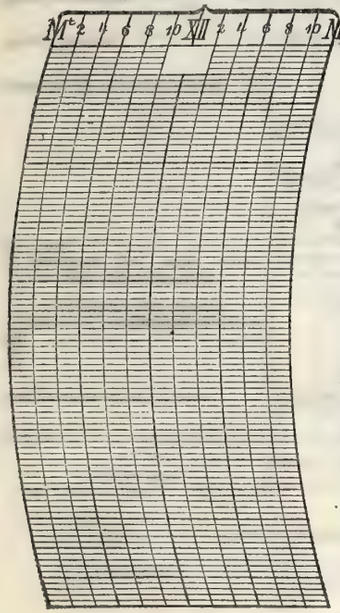
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	32	38	

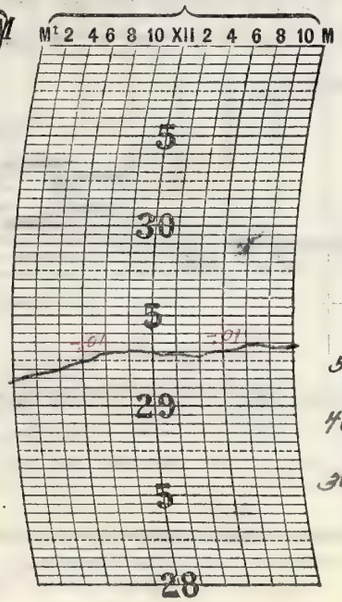
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 6.9 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 68
Prevailing wind direction, W Total wind 175
Average hourly velocity, 7.3 Extreme velocity,
Maximum velocity, Direction,
Time began, 2:22 am
Reduced barometer, 30.16 7 a. m. 30.[illegible] 7 p. m.
River gage, 7.7
Relative humidity, 78 7 a. m. 72 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 pm
(Local Mean Time.)
Dry temperature, 41.2 Wet temperature, 35.7
Dew-point, 28 R. humidity, 58 V. pressure, .150
Clouds: Amount, 7; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

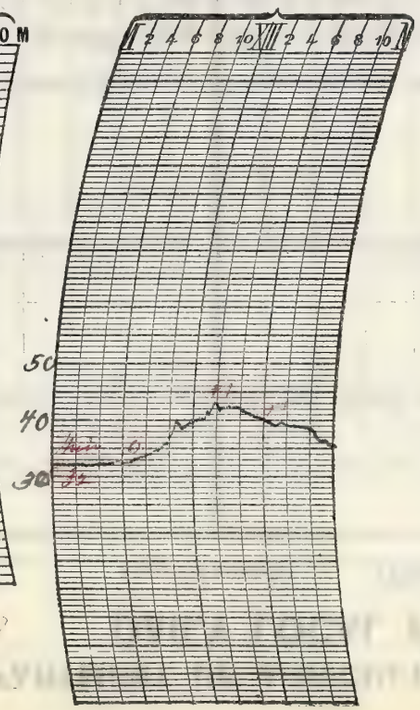
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by E. A. Schaefer
Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV - 6 1913, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	35	34	33	31	31	31	32	34	37	40	44	48
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	9					Pt.	Cloudy					
Sunshine (in tenths of hours)							0	0.2	1.0	0.3	1.0	1.0
Wind direction	E	E	E	E	E	E	E	E	E	SE	SE	E
Wind movement	4	4	4	6	5	6	6	8	8	9	8	8

Sunrise: Time, 6:18 Character, Cloudy. Moonrise: 3:36p

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	48	48	47	47	46	45	45	45	44	43	42	43
State of weather. Nature of precipitation and time of beginning and ending								RB 7:25				
Amounts of precipitation								T	.01	.02	.09	
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)	1.0	0.4	0	0	0							
Wind direction	SE	S	S	S	S	S	S	NE	E	E	NE	NE
Wind movement	8	8	9	8	11	11	9	7	8	7	4	7

Sunset: Time, 4:31 Character, Cloudy. Moonset: 4:36a

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

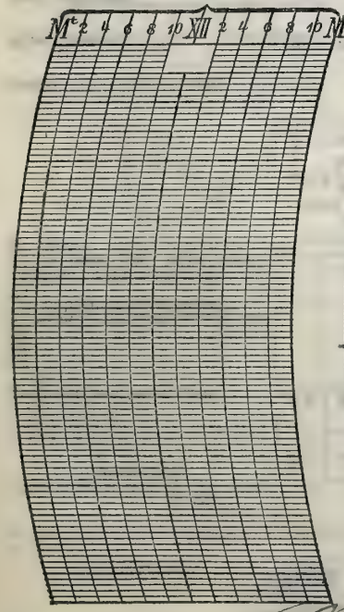
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
48	31	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .16 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 4.9 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 48
Prevailing wind direction, E Total wind 173
Average hourly velocity, 7.2 Extreme velocity, 23
Maximum velocity, 13 Direction, E
Time began, 5:24 pm
Reduced barometer, 30.25 7 a. m. 30.11 7 p. m.
River gage, 6.6
Relative humidity, 87 7 a. m. 70 7 p. m.

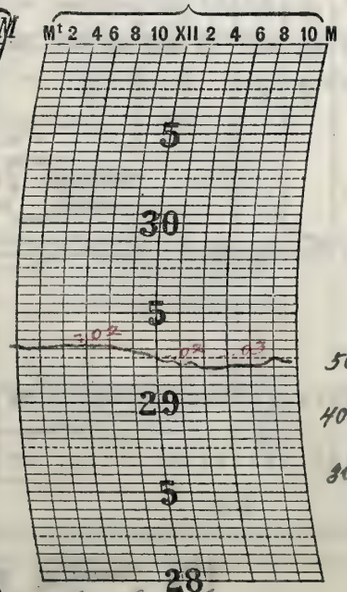
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.m.
(Local Mean Time.)

Dry temperature, 46.8 Wet temperature, 40.8
Dew-point, 34 R. humidity, 60 V. pressure, .195
Clouds: Amount, 3; Kind, Ast.; Direction, W.
Velocity of clouds (miles per hour)

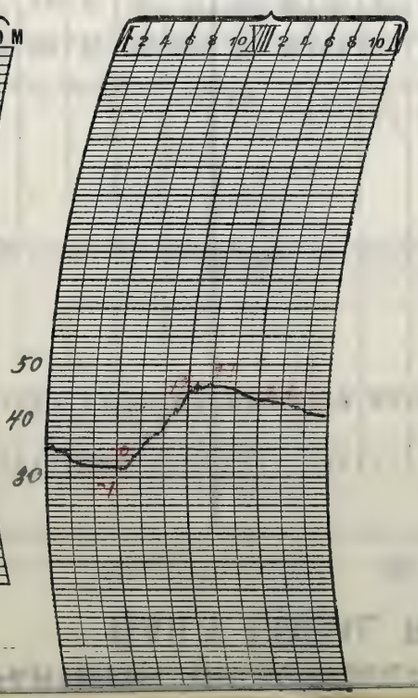
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special observation, 3:00 pm., 75th Meridian Time; called for by Central Office.

Prepared by C. C. Schick.
Verified by T. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 7 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	41	40	40	40	40	40	40	40	41	42	43	45	46	46	45	45	44	43	42	42	42	42	41
State of weather: Nature of precipitation and time of beginning and ending	RE DNA																							
Amounts of precipitation	T																							
Cloudiness and other conditions	Cloudy												Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	10	10	10	9	11	12	12	13	14	13	14	17	17	17	16	16	13	15	15	17	15	16	15	15

Sunrise: Time, 6:19 Character, Cloudy
Moonrise: 4:21p
Sunset: Time, 4:30 Character, Cloudy
Moonset: 5:50a

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

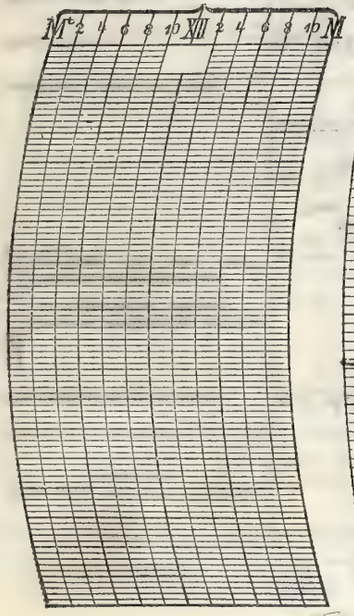
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	40	43	

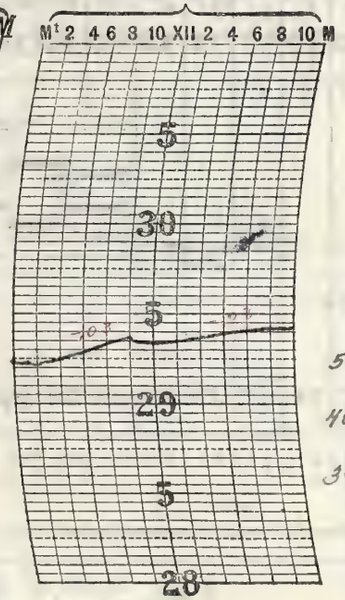
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .16 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, Full - 5:35 pm.
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind 332
Average hourly velocity, 13.8 Extreme velocity, 24
Maximum velocity, 20 Direction, NE
Time began, 2:16 pm
Reduced barometer, 30.20 7 a. m. 30.31 7 p. m.
River gage, 5.8
Relative humidity, 92 7 a. m. 74 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 pm
(Local Mean Time.)
Dry temperature, 44.5 Wet temperature, 42.0
Dew-point, 40 R. humidity, 82 V. pressure, .247
Clouds: Amount, 3; Kind, Ast; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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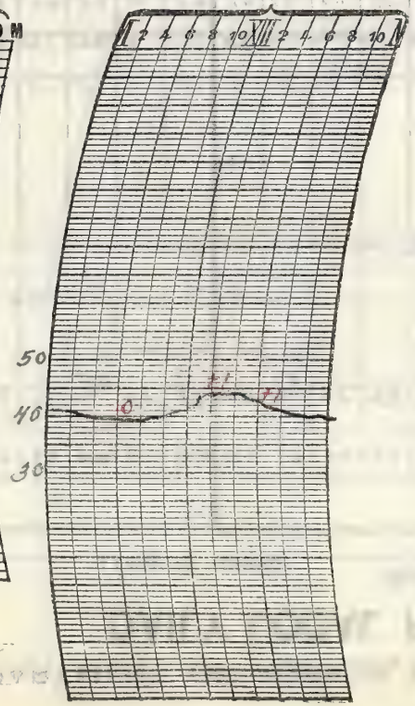


NOTES.

A cold and cloudy day

Prepared by E. E. Schuck
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) November 8, 1919

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	40	40	40	40	40	39	39	39	40	40 RB 9:45	40	41
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation										T	T	T
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	6:21 Cloudy											
Moonrise:	5:11 p.											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	12	15	13	13	13	14	12	13	15	12	13	12

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	41	41 RE 1:18	41	42	41	41	41	41	42	42	41	40
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	T	T										
Cloudiness and other conditions					Cloudy							
Sunset: Time, Character,									4:22 Cloudy			
Moonset:									7:04 a			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E
Wind movement	13	13	13	12	12	11	11	10	9	11	10	10

Maximum velocities (exceeding 22 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

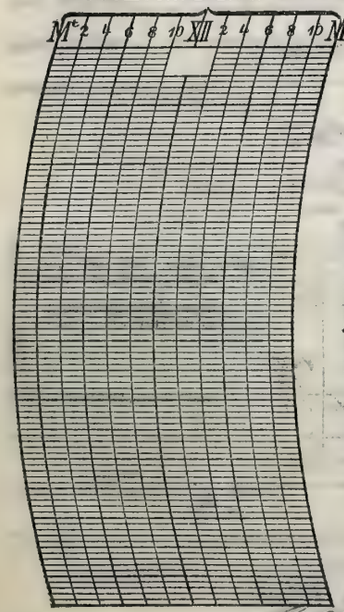
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	39	40	

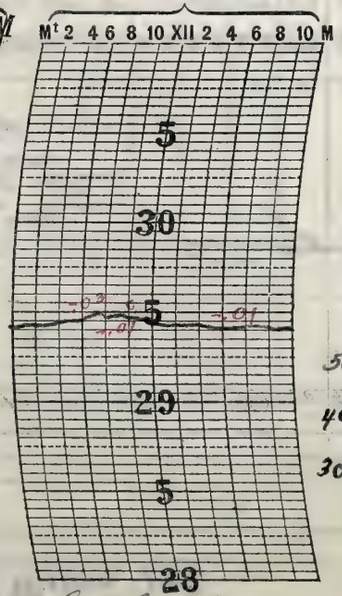
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind 298
Average hourly velocity, 12.2 Extreme velocity, 21
Maximum velocity, 20 Direction, NE
Time began, 8:23 a.m.
Reduced barometer, 30.38 7 a. m. 30.34 7 p. m.
River gage, 5.3
Relative humidity, 88 7 a. m. 90 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 41.0 Wet temperature, 40.0
Dew-point, 39 R. humidity, 92 V. pressure, .237
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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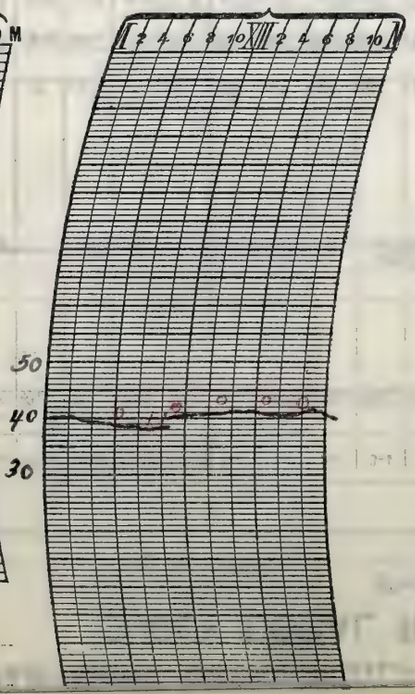


NOTES.

Rain gage dismantled and brought in for the winter, this morning at 10:00 o'clock.

Prepared by C. A. Schick

Verified by J. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 9 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	40	39	39	39	39	39	39	40	43	48	51
Nature of precipitation and time of beginning and ending			RB DNA RE DNA									
Amounts of precipitation			T									
Cloudiness and other conditions	Cloudy							×	Pt Cloudy			
Sunrise: Time, Character,	6:22 Cloudy											
Moonrise:	6:09p											
Sunshine (in tenths of hours)							0	0	0.2	1.0	1.0	1.0
Wind direction	E	E	E	E	NE	E	E	E	E	E	E	E
Wind movement	10	9	11	9	9	8	9	8	7	6	4	4

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	56	57	57	54	53	52	51	53	54	56	56
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear				×		Pt Cloudy					
Sunset: Time, Character,									4:28 Cloudy			
Moonset:									8:15a			
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.3	0							
Wind direction	E	E	E	E	E	E	E	E	E	SE	SE	SE
Wind movement	7	8	7	6	7	8	8	6	6	7	11	9

State of weather.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	39	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 6.5 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 64
Prevailing wind direction, E Total wind 184
Average hourly velocity, 7.7 Extreme velocity, 12
Maximum velocity, 12 Direction, SE
Time began, 11:40 pm
Reduced barometer, 30.30 7 a. m. 30.12 7 p. m.
River gage, 4.7
Relative humidity, 89 7 a. m. 86 7 p. m.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

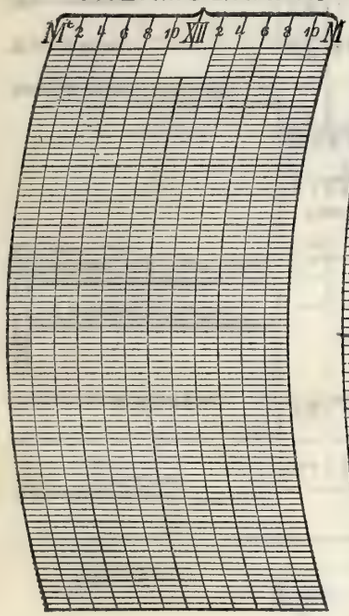
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

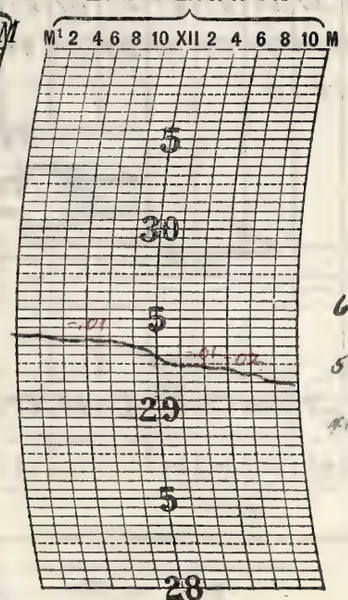
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M. (Local Mean Time.)

Dry temperature, 53.4 Wet temperature, 47.9
Dew-point, 42 R. humidity, 67 V. pressure, .266
Clouds: Amount, 3; Kind, Strat; Direction, E
Velocity of clouds (miles per hour)

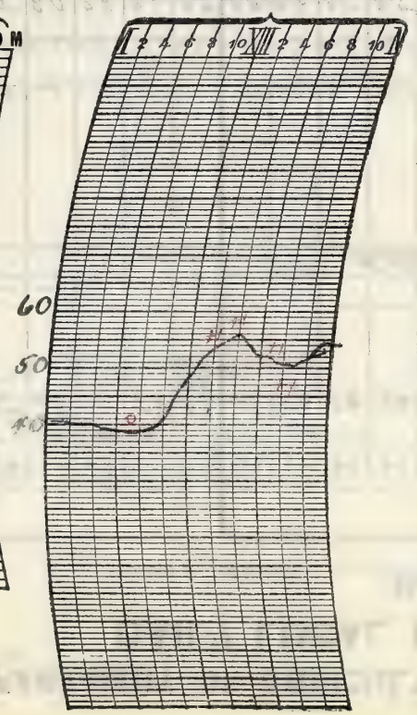
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Three pm special observation, 75th Meridian Time, ordered by Central Office.
Very pleasant day with moderate temperature.

Prepared by C. C. Schick
Verified by C. McDougall

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 10 1913, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	57	58	58	57	57	56	55	55	56	55	56
Nature of precipitation and time of beginning and ending					AB 4:15							RE 11:16
Amounts of precipitation					—	—	—	—	—	—	—	—
Cloudiness and other conditions	?				Cloudy							
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SE	SE	SE	SE	SE	SE	SE	SE	S	S	S	S
Wind movement	10	13	14	14	13	12	15	15	20	22	26	27
Maximum velocities (exceeding 29 miles) direction and time											31 S 10:10	30 S 11:43

Sunrise: Time, 6:23 Character, Cloudy
Moonrise: 7:13p

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	56	56	56	56	56	56	56	55	55	49	46
Nature of precipitation and time of beginning and ending					AB 4:11		RE 6:20					
Amounts of precipitation					—	—	—					
Cloudiness and other conditions			Cloudy									?
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	S	S	S	S	S	S	S	SW	SW	W	SW
Wind movement	24	26	25	25	24	23	22	22	21	20	24	22
Maximum velocities (exceeding 29 miles) direction and time	30 S 12:40	31 S 1:45	33 S 2:23									

Sunset: Time, 4:27 Character, Cloudy
Moonset: 9:19a

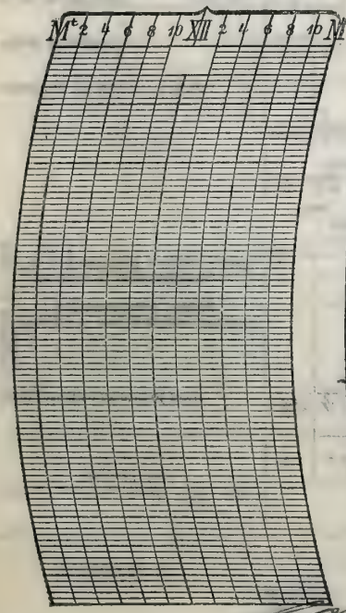
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
58	46	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .24 ins.
Total precipitation, midnight to midnight, .24 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (6-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind 479
Average hourly velocity, 20.0 Extreme velocity, 34
Maximum velocity, 33 Direction, S
Time began, 2:23 p.m.
Reduced barometer, 29.94 7 a. m. 29.80 7 p. m.
River gage, 4.2
Relative humidity, 78 7 a. m. 88 7 p. m.

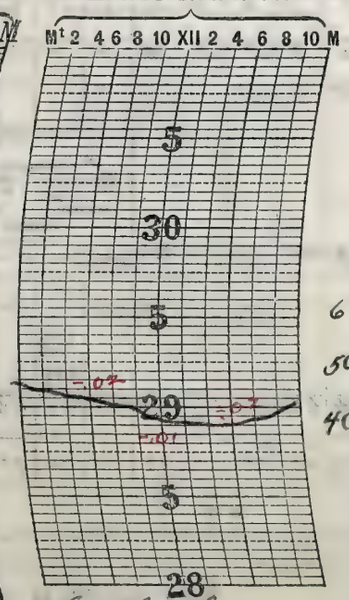
OBSERVATIONS AT ~~12 NOON~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 55.9 Wet temperature, 53.3
Dew-point, 49 R. humidity, 77 V. pressure, .347
Clouds: Amount, 10; Kind, Stratus; Direction, S
Velocity of clouds (miles per hour)

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

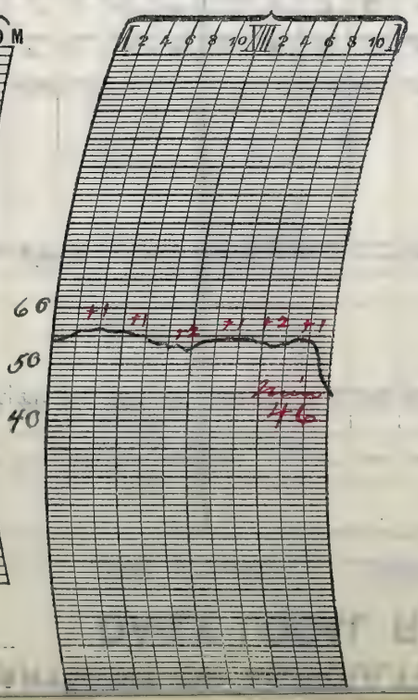
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

One p.m. special observation, 75th Meridian Time, ordered by the Central Office.

The day was cool and cloudy with a drizzle throughout the morning and during a portion of the afternoon.

Prepared by C. C. Schicks
Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 1 1919, 191

Time (local standard) 90° mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	44	42	40	39	38	37	37	39	40	42	43	45	48	49	51	50	47	47	46	44	42	41	40	40
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	7				Clear												Clear							
Sunrise: Time, Character,	6:24 Clear																				Sunset: Time, Character,	4:26 Clear		
Moonrise:	8:21p																				Moonset:	10:16a		
Sunshine (in tenths of hours)							.60 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.43 0							
Wind direction	SW	SW	SW	SW	SW	W	SW	SW	W	W	SW	SW	SW	SW	S	S	SE	SE	SE	E	E	E	E	SE
Wind movement	19	21	17	15	15	13	9	11	14	9	9	8	6	5	5	4	3	3	3	4	4	6	5	4
Maximum velocities (exceeding 29 miles) direction and time																								

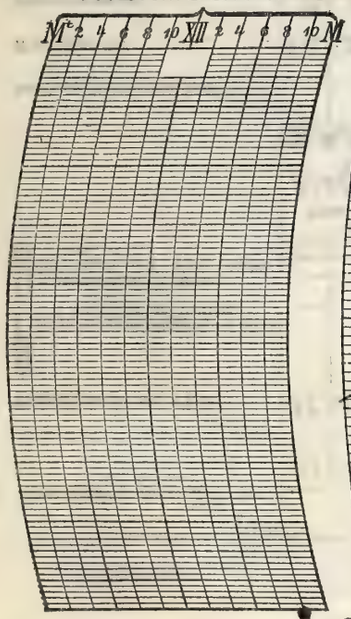
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
51	36	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 0
Actual sunshine, hours, 10.0 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 212
Average hourly velocity, 8.8 Extreme velocity, 28
Maximum velocity, 27 Direction, SW
Time began, 1:50 am
Reduced barometer, 30.17 7 a. m. 30.21 7 p. m.
River gage, 4.0
Relative humidity, 83 7 a. m. 56 7 p. m.

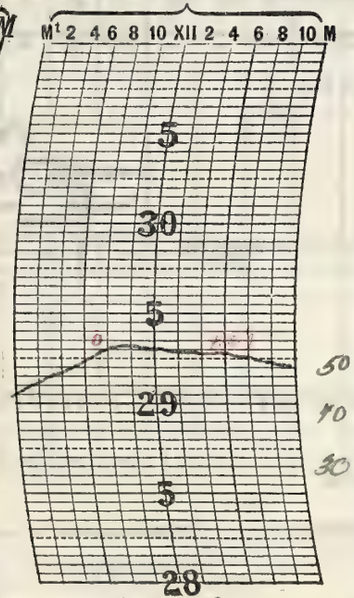
OBSERVATIONS ~~AT 12 NOON.~~ 12:38 p.m.
(Local Mean Time.)
Dry temperature, 47.4 Wet temperature, 38.9
Dew-point, 27 R. humidity, 44 V. pressure, .143
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

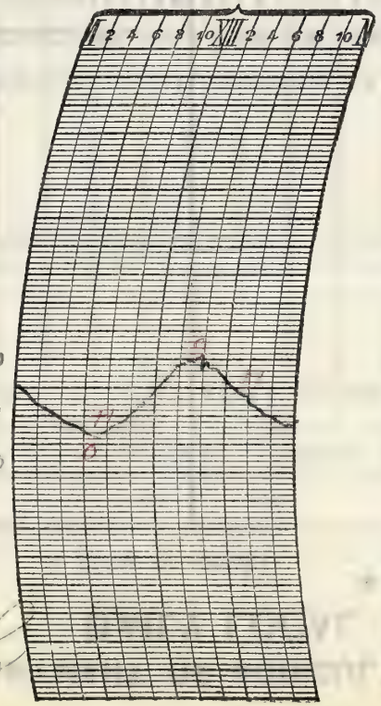
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear, cool and invigorating day.

Prepared by C. W. Schick
Verified by F. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) November 12, 1919.

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	38	36	36	37	37	35	35	39	44	47	46	40
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunrise: Time, Character,	6:25 Clear											
Moonrise:	9:29											
Sunshine (in tenths of hours)							.58 0	0.2 0.8	1.0	1.0	1.0	0.3
Wind direction	SE	E	E	NE	E	S	SW	SW	SW	SW	W	W
Wind movement	2	1	2	1	4	7	9	12	13	20	21	24
Maximum velocities (exceeding 29 miles) direction and time												30 W 11:13

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	38	37	35	32	30	28	27	26	25	24	23	23
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											?
Sunset: Time, Character,									4:25 Clear			
Moonset:									11:00a			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	.42 0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	21	21	20	21	16	17	13	13	14	14	15	14
Maximum velocities (exceeding 29 miles) direction and time												

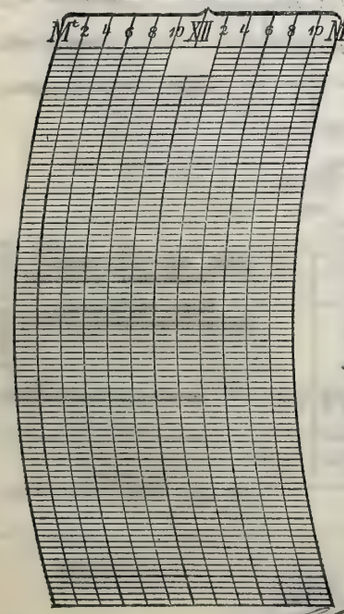
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	23	35	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), FEW
Actual sunshine, hours, 9.3 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 93
Prevailing wind direction, W. Total wind 315
Average hourly velocity, 13.1 Extreme velocity, 34
Maximum velocity, 30 Direction, W
Time began, 11:13 am
Reduced barometer, 30.04 7 a. m. 30.32 7 p. m.
River gage, 4.0
Relative humidity, 85 7 a. m. 48 7 p. m.

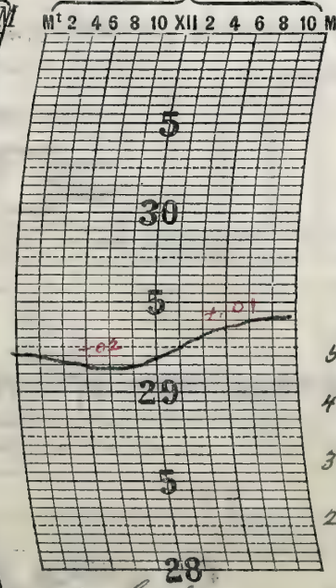
OBSERVATIONS AT ~~12 NOON~~. 12:38 p.m.
(Local Mean Time.)
Dry temperature, 40.0 Wet temperature, 35.0
Dew-point, 28 R. humidity, 61 V. pressure, .150
Clouds: Amount, 3; Kind, Cu.; Direction, W
Velocity of clouds (miles per hour)

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

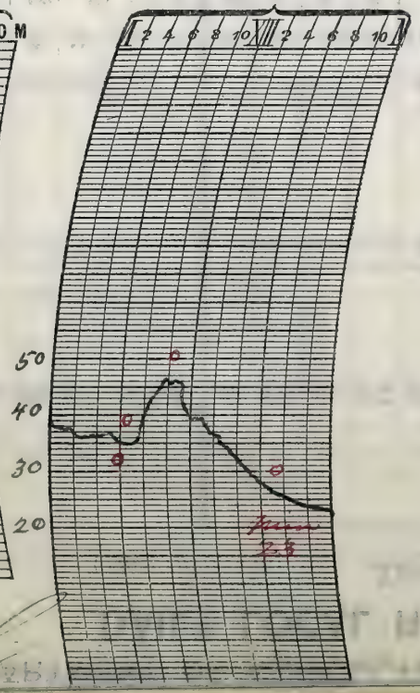
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cold wave warning was received at 9:15 am., embodied in the regular am. forecast. It was published on all bulletins and also disseminated by telephone. A clear day with rapidly falling temperature from eleven am.

Prepared by C. C. Schulz
Verified by P. McDonough

Form No. 1013—Nov. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV 13 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	21	21	21	20	20	19	20	20	20	22	24	27
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?				Cloudy					Pt. Cloudy		
Sunshine (in tenths of hours)							0	0.1 0.4	1.0	1.0	1.0	1.0
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	14	13	11	11	12	12	11	13	11	11	13	12

Sunrise: Time, 6:26 Character, Cloudy. Moonrise: 10:36p

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	29	30	30	29	28	27	26	25	24	23	23
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.2 0.8	.42 0							
Wind direction	W	W	W	W	W	SW	SW	SW	SW	SW	SW	SW
Wind movement	12	12	12	11	9	8	8	10	10	10	9	10

Sunset: Time, 4:25 Character, Clear. Moonset: 11:39a

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

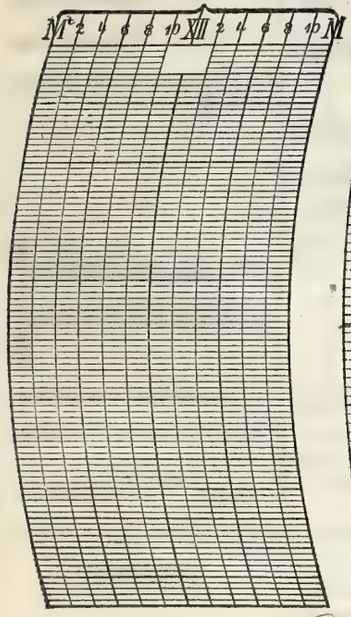
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
30	19	24	✓

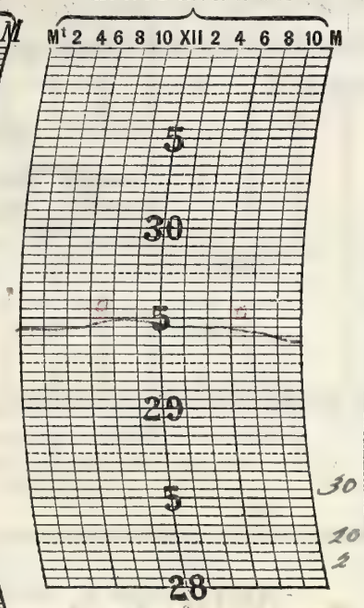
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 8.9 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 89
Prevailing wind direction, W Total wind 266
Average hourly velocity, 11.1 Extreme velocity, 17
Maximum velocity, 26 Direction, W
Time began, 12:58 am
Reduced barometer, 30.41 7 a. m. 30.38 7 p. m.
River gage, 3.9
Relative humidity, 88 7 a. m. 53 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 PM
(Local Mean Time.)
Dry temperature, 26.0 Wet temperature, 22.2
Dew-point, 13 R. humidity, 54 V. pressure, .074
Clouds: Amount, 3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

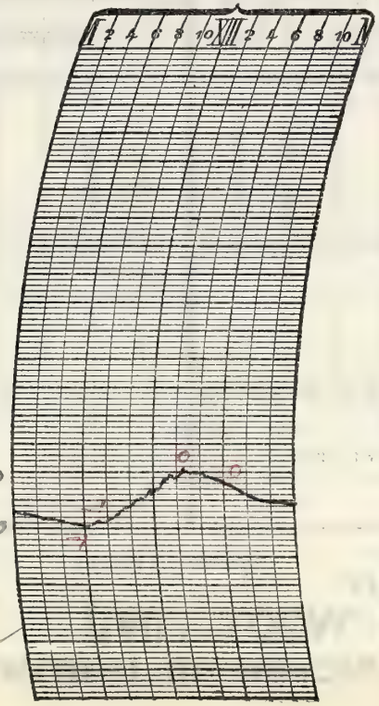
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear, cold and invigorating day with moderate winds.

Prepared by E. L. Schaf
Verified by C. M. Kavanagh

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 14 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	24	24	25	25	26	26	26	30	32	35	37	38	40	40	41	40	36	33	31	30	29	28	27	25
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear												Clear						
Sunshine (in tenths of hours)							.53 0	.04 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	.40 0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	12	11	13	12	14	16	15	18	20	20	20	18	17	17	15	11	10	10	10	8	6	6	4	3
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:28 Character, Clear
Moonrise: 11:41p

Sunset: Time, 4:24 Character, Clear
Moonset: 12:14p

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

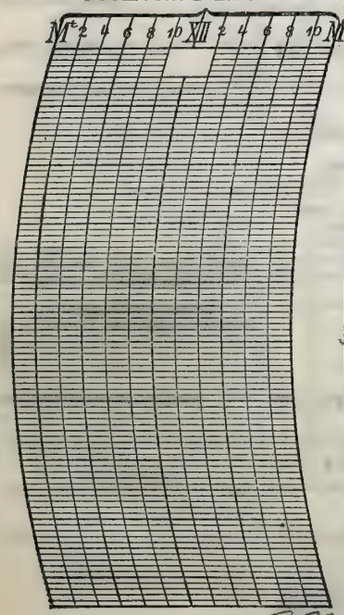
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
41	23	32	

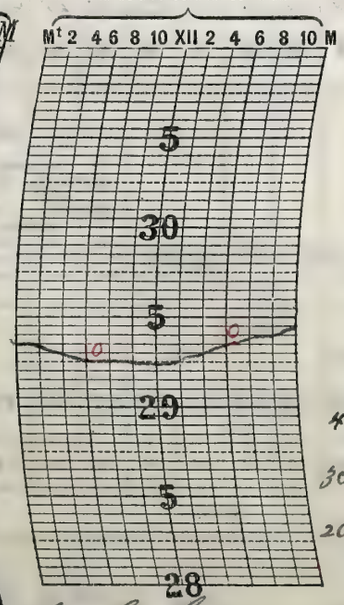
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, LQ-9:40am.
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 9.9 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 306
Average hourly velocity, 12.8 Extreme velocity, 25
Maximum velocity, 24 Direction, W
Time began, 10:33 am.
Reduced barometer, 30.20 7 a. m. 30.30 7 p. m.
River gage, 3.6
Relative humidity, 68 7 a. m. 62 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38PM.
(Local Mean Time.)
Dry temperature, 40.4 Wet temperature, 33.0
Dew-point, 21 R. humidity, 43 V. pressure, .108
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

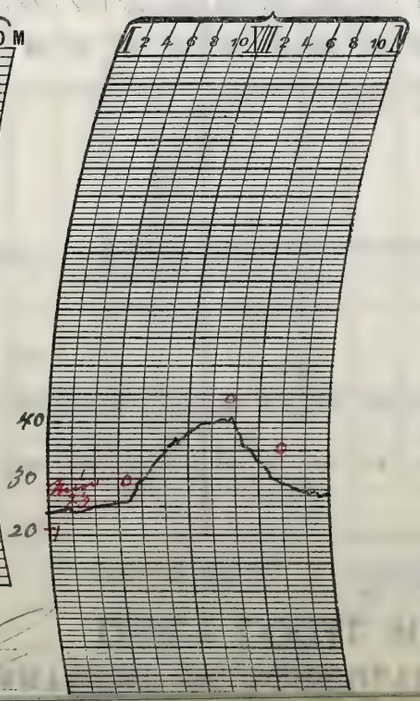
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear cold and invigorating day

Prepared by C. A. Schick.
Verified by P. McDonough

Form No. 1014—McU.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV 15 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	25	24	24	24	24	23	26	30	31	33	35
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunrise: Time, 6:29 Character, Clear												
Moonrise: —												
Sunshine (in tenths of hours)							.52 0	0.7 0.2	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	NE	E	E	E	E	S	S	SE	S
Wind movement	3	5	3	2	1	2	2	3	6	8	7	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	37	38	37	36	36	36	35	35	35	34	33
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunset: Time, 4:23 Character, Clear												
Moonset: 12:45p												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.3 0.7	.38 0							
Wind direction	SW	S	S	S	S	SE	SE	S	S	S	S	SW
Wind movement	8	8	9	8	4	3	5	7	7	9	10	8

Maximum velocities (exceeding 29 miles) direction and time.

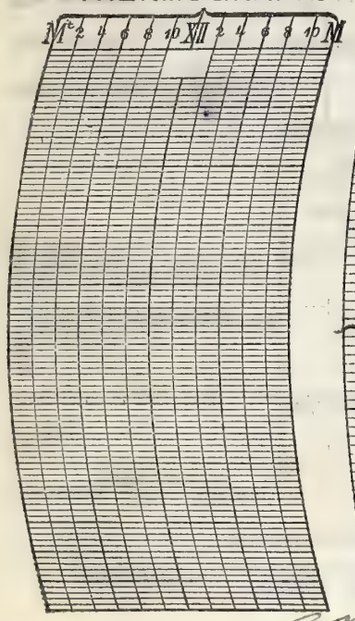
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	23	30	

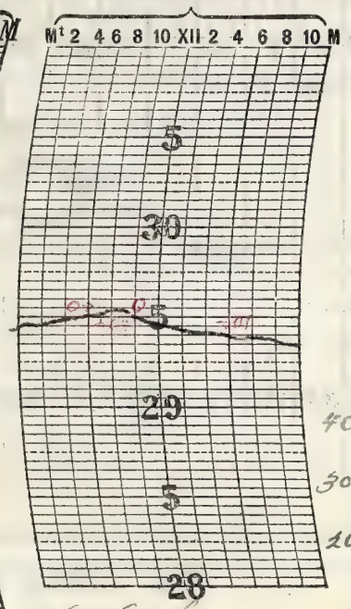
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), FEW
Actual sunshine, hours, 9.8 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 99
Prevailing wind direction, S Total wind 137
Average hourly velocity, 5.7 Extreme velocity, 12
Maximum velocity, 12 Direction, S
Time began, 10:48pm
Reduced barometer, 30.46 7a. m. 30.33 7p. m.
River gage, 3.5
Relative humidity, 76 7a. m. 44 7p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38pm
(Local Mean Time.)
Dry temperature, 35.7 Wet temperature, 29.0
Dew-point, 16 R. humidity, 41 V. pressure, .085
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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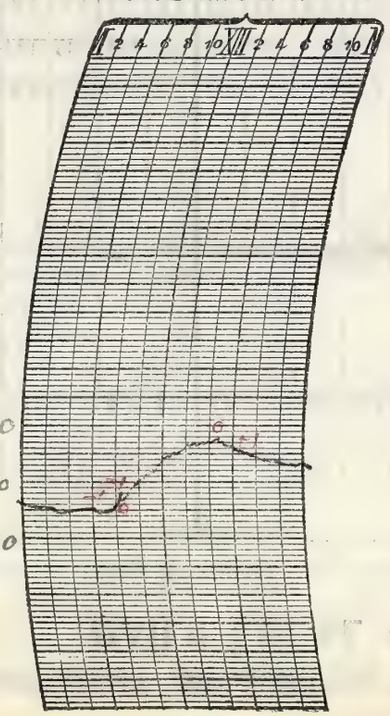


NOTES.

Clear, cold and invigorating Nov.

Prepared by C. M. Schlick
Verified by C. M. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 10 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	32	32	31	32	32	32	33	38	43	47	48	49
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear										×	
Sunshine (in tenths of hours)							0	0.6	1.0	1.0	0.6	0.4
Wind direction	SW	SW	SW	SW	SW	SW	S	SW	SW	SW	SW	SW
Wind movement	9	10	8	9	10	10	10	11	13	13	12	13

Sunrise: Time, 6:30 Character, Clear. Moonrise: 12:43 a.m.

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	54	55	55	53	51	49	46	47	46	46	45	45
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy					×		Cloudy				
Sunshine (in tenths of hours)	0.9	1.0	1.0	0.2	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	15	18	19	13	10	11	11	12	10	12	10	10

Sunset: Time, 4:22 Character, Cloudy. Moonset: 11:18 p.m.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

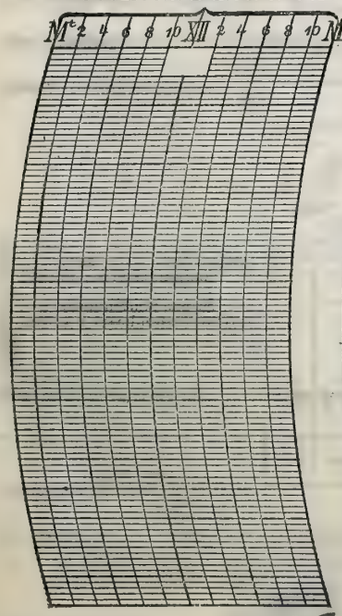
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	31	43	

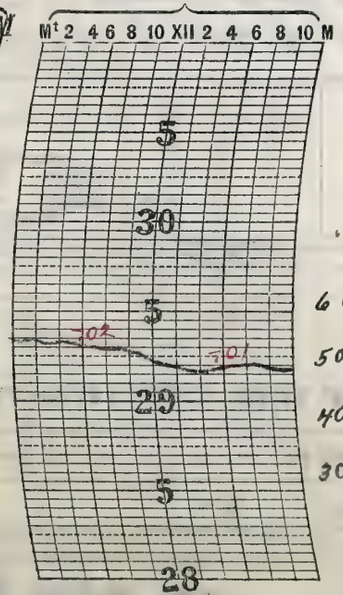
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0–10), 3
Actual sunshine, hours, 7.6 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 77
Prevailing wind direction, SW Total wind 229
Average hourly velocity, 11.6 Extreme velocity, 25
Maximum velocity, 23 Direction, SW
Time began, 1:36 p.m.
Reduced barometer, 30.20 7 a. m. 30.12 7 p. m.
River gage, 3.3
Relative humidity, 70 7 a. m. 54 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)
Dry temperature, 50.0 Wet temperature, 41.1
Dew-point, 29 R. humidity, 45 6:15 P. V. pressure, .157
Clouds: Amount, 4 2; Kind, Strat.; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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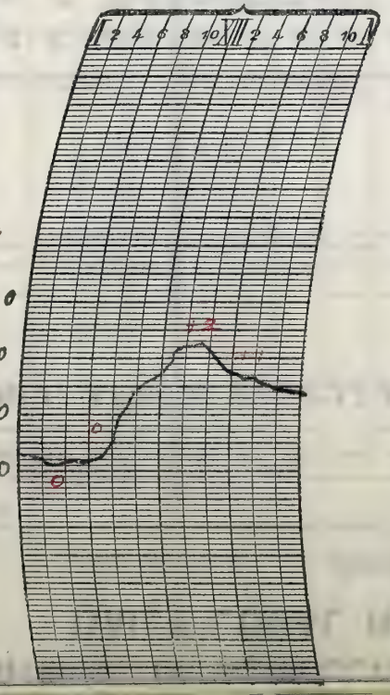


NOTES.

Clear and pleasant day

Prepared by C. C. Schuck.
Verified by F. M. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 17 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	44	43	42	42	41	40	42	47	49	53	55	57	56	56	54	52	51	51	50	49	48	46	44
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	?			Clear				x								Pt. Cloudy								?
Sunrise: Time, Character,	6:31 Clear																				Sunset: Time, Character,	4:32 Cloudy		
Moonrise:	1:44a																				Moonset:	1:41p		
Sunshine (in tenths of hours)							1.48 0	0.5 0.5	0.9	1.0	1.0	1.0	1.0	1.0	0.6	0.1	0							
Wind direction	SW	SW	SW	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W
Wind movement	9	9	10	10	10	9	8	9	12	13	13	12	12	17	14	13	12	14	15	15	15	12	12	11
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

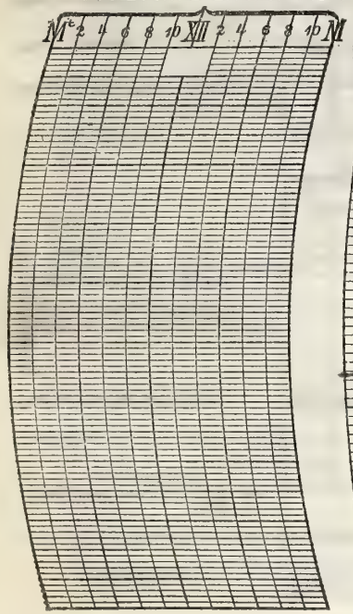
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	40	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 8.1 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 83
Prevailing wind direction, SW Total wind 286
Average hourly velocity, 11.9 Extreme velocity, 21
Maximum velocity, 20 Direction, SW
Time began, 1:16 pm
Reduced barometer, 30.08 7 a. m. 29.96 7 p. m.
River gage, 5.1
Relative humidity, 66 7 a. m. 66 7 p. m.

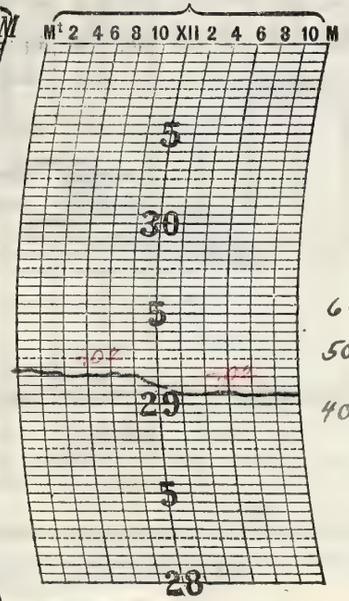
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 55.7 Wet temperature, 46.0
Dew-point, 35 R. humidity, 46 V. pressure, .203
Clouds: Amount, 6; Kind, Ast.; Direction, N
Velocity of clouds (miles per hour)

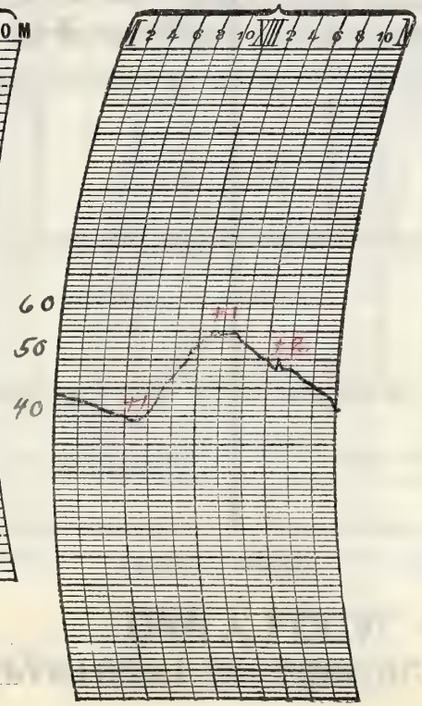
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A portion of a solar halo of 22° radius was observed at 12:19 pm. The phenomena was bright, the following colors being visible:- red, orange, yellow, green, and blue. The length of arc was about 275° throughout the period of visibility and there was no attendant arcs. The phenomena ended at 3:17 pm.

The day was partly cloudy with moderate temperatures.

Prepared by C. C. Schick
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 18 1919, 191

Time (local standard). 90" mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	41	39	39	38	37	36	37	39	42	44	45
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?					Clear						
Sunshine (in tenths of hours)							47 0	0.6 0.4	1.0	1.0	1.0	1.0
Wind direction	W	W	W	W	W	NW	W	SW	W	W	W	W
Wind movement	9	10	9	10	10	10	10	10	12	17	19	22
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	44	43	41	40	35	33	32	31	32	31	3[illegible]
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		×				PC	Cloudy					
Sunshine (in tenths of hours)	1.0	1.0	0.9	0.5	0							
Wind direction	W	NW	NW	NW	N	N	N	N	N	N	N	N
Wind movement	23	23	23	20	20	20	20	18	10	10	10	16
Maximum velocities (exceeding 29 miles) direction and time				30								

Sunrise: Time, 6:32 Character, Clear
Moonrise: 2:44a
Sunset: Time, 4:20 Character, Cloudy
Moonset: 2:09a

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	31	38	

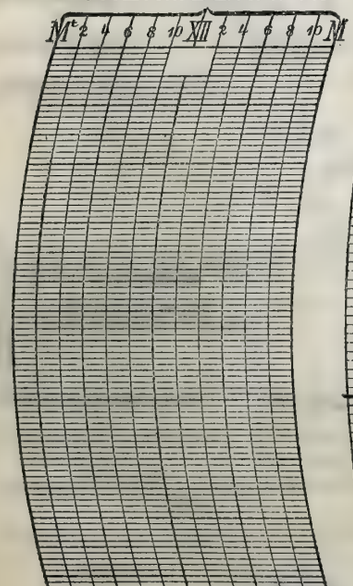
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 8.9 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 91
Prevailing wind direction, ⊕ W. Total wind 355
Average hourly velocity, 14.8 Extreme velocity, 33
Maximum velocity, 30 Direction, NW
Time began, 3:11 pm
Reduced barometer, 29.96 a. m. 30.10 p. m.
River gage, 3.0
Relative humidity, 86 a. m. 64 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

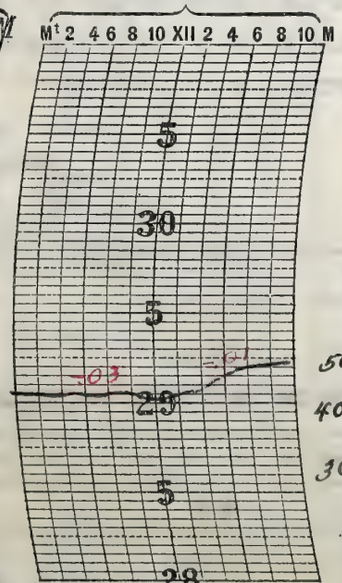
OBSERVATIONS AT ~~12 NOON~~. 12:38 pm.
(Local Mean Time.)

Dry temperature, 45.7 Wet temperature, 38.0
Dew-point, 27 R. humidity, 48 V. pressure, .143
Clouds: Amount, 1; Kind, Cu.; Direction, W.
Velocity of clouds (miles per hour)

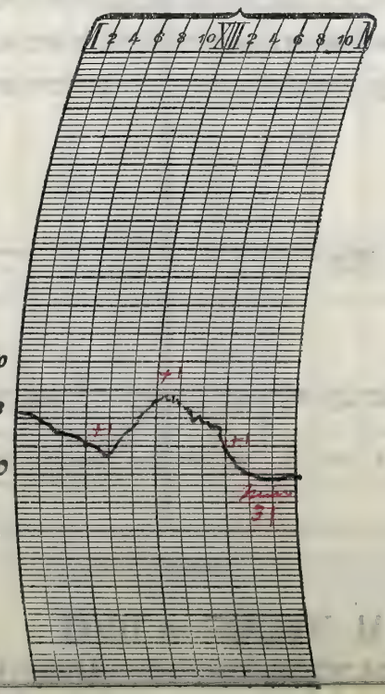
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

ϕ Cylinder jammed. Direction & velocity estimated.
⊕ Max for 10 hrs + 42 min.

Clear and Pleasant day.

Prepared by C. C. Schick
Verified by F. M. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 19 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	30	30	31	32	32	32	32	33	33	34	35	36	36	36	36	36	34	34	33	33	32	32	29
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	?						Cloudy							Cloudy						Ov Cloudy				?
Sunshine (in tenths of hours)							0	0	0	0	0.6	0.1	0	0	0	0	0							
Wind direction	N	N	NW	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	7	7	9	11	8	6	6	7	9	10	7	7	9	10	10	10	8	6	4	4	4	2	2	1
Maximum velocities (exceeding 20 miles) direction and time																								

Sunrise: Time, 6:33 Character, Cloudy
Moonrise: 3:44a

Sunset: Time, 4:20 Character, Cloudy
Moonset: 2:39p

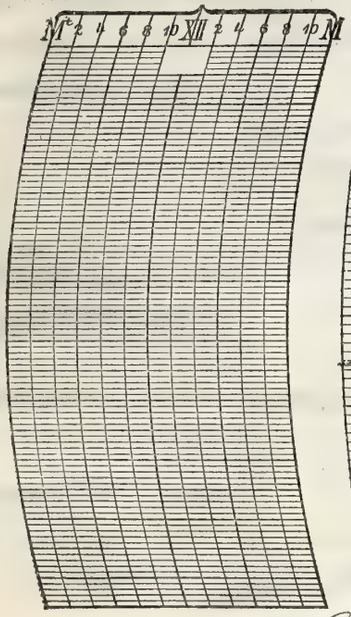
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	29	32	

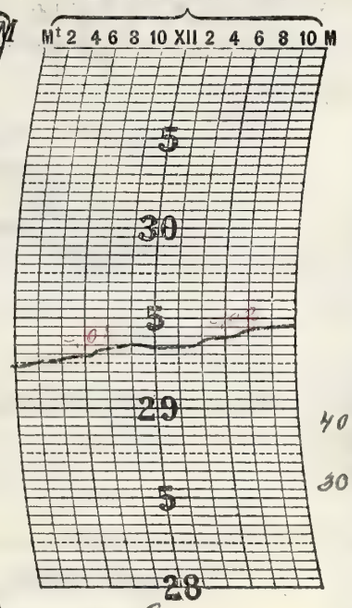
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.7 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 7
Prevailing wind direction, NW Total wind 168
Average hourly velocity, 7.0 Extreme velocity, 12
Maximum velocity, 12 Direction, NW
Time began, 2:03 p.m.
Reduced barometer, 30.25 7 a. m. 30.34 7 p. m.
River gage, 2.0
Relative humidity, 65 7 a. m. 58 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)
Dry temperature, 35.0 Wet temperature, 31.0
Dew-point, 25 R. humidity, 64 V. pressure, .130
Clouds: Amount, 10; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

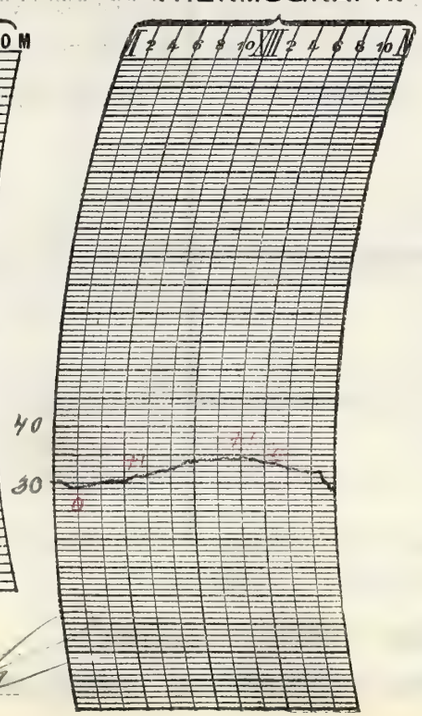
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by E. A. Schiefs
Verified by C. M. Kenoyer

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) Nov 20 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	30	30	29	29	29	29	31	35	38	40	42
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?			Clear				×				
Sunshine (in tenths of hours)							.42 0	1.0 0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	S	S	S	S	S	S	S	S	S	S
Wind movement	1	1	4	3	3	4	7	6	9	11	11	9

Sunrise: Time, 6:35; Character, Clear. Moonrise: 4:42a.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	44	43	44	42	41	39	37	38	37	36	36
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pt.	Cloudy								?
Sunshine (in tenths of hours)	1.0	1.0	0.8	0.4	0							
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	9	8	9	6	6	7	8	9	7	9	10	9

Sunset: Time, 4:19; Character, Cloudy. Moonset: 3:11p.

Maximum velocities (exceeding 22 miles) direction and time.

Excessive precipitation, accumulated amounts.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

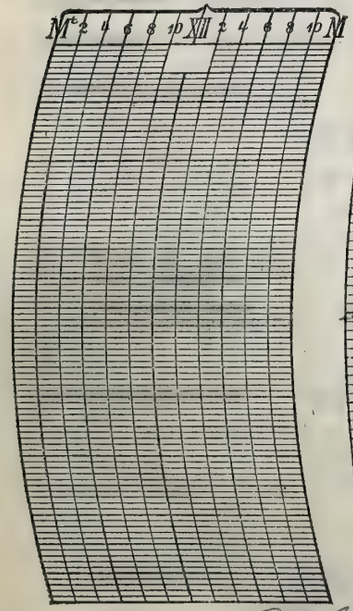
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
45	29	37	

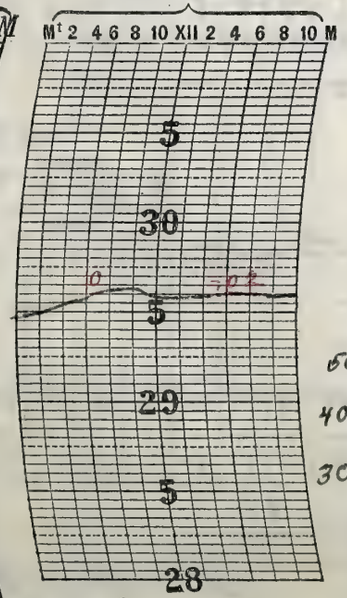
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 8.6 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 89
Prevailing wind direction, S Total wind 166
Average hourly velocity, 6.9 Extreme velocity, 15
Maximum velocity, 13 Direction, S
Time began, 9:47 am
Reduced barometer, 30.53 7 a. m. 30.53 7 p. m.
River gage, 2.9 ft.
Relative humidity, 78 7 a. m. 59 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)
Dry temperature, 42.1 Wet temperature, 36.1
Dew-point, 28 R. humidity, 55 V. pressure, .150
Clouds: Amount, 7; Kind, Cu.St.; Direction, W.
Velocity of clouds (miles per hour)

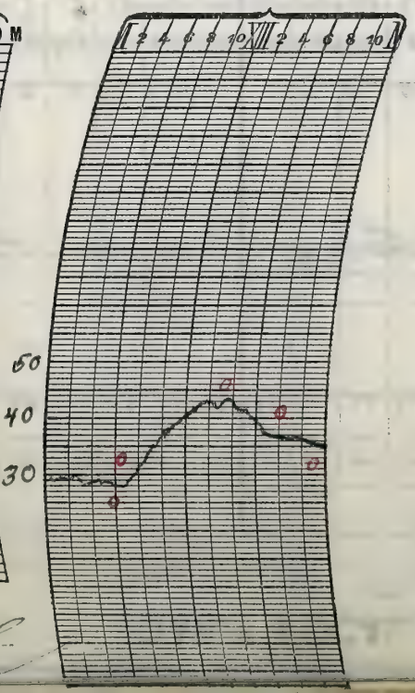
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by C. C. Schick
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 21 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	36	36	37	38	38	38	40	43	48	52	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?	Cloudy					×	Cl	Cloudy			
Sunshine (in tenths of hours)							0	0	0	0.5	1.0	1.0
Wind direction	S	S	SW	SW	SW	SW	S	SW	SW	SW	SW	SW
Wind movement	10	10	11	10	11	11	10	11	10	13	14	16

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	53	50	47	46	45	45	45	46	45	45	45
State of weather: Nature of precipitation and time of beginning and ending		RB 1:27					RE 6:12	RB 7:25			RE DNP	
Amounts of precipitation		–	–	–	–	–	–	–	–	–	–	
Cloudiness and other conditions		×				Cloudy						
Sunshine (in tenths of hours)	0.8	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	S	SW	SW	SW	SW
Wind movement	15	13	11	12	9	10	7	8	10	14	13	14

Sunrise: Time, 6:36; Character, Cloudy

Moonrise: 5:39a

Sunset: Time, 4:18; Character, Cloudy

Moonset: 3:46p

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
56	36	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .24 ins.

Total precipitation, midnight to midnight, .28 inches.

Character of day, Cloudy. Moon phase ~~New~~ ~~F.Q.~~

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 3.3. Possible sunshine, hours, 9.7

Per cent of possible sunshine, 34

Prevailing wind direction, SW. Total wind 273

Average hourly velocity, 11.4. Extreme velocity, 17

Maximum velocity, 16. Direction, SW

Time began, 11:05 am

Reduced barometer, 30.46 7 a. m. 30.25 7 p. m.

River gage, 2.7

Relative humidity, 72 7 a. m. 89 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 pm (Local Mean Time.)

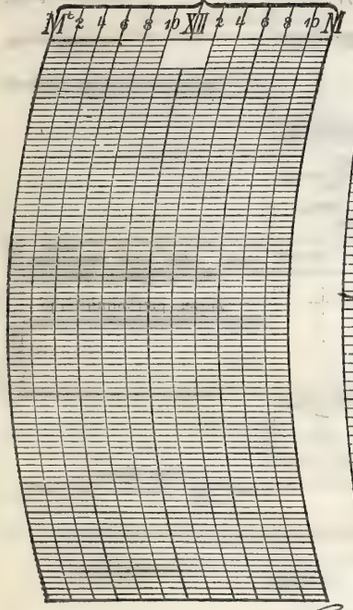
Dry temperature, 55.2. Wet temperature, 43.0

Dew-point, 27. R. humidity, 33. V. pressure, .143

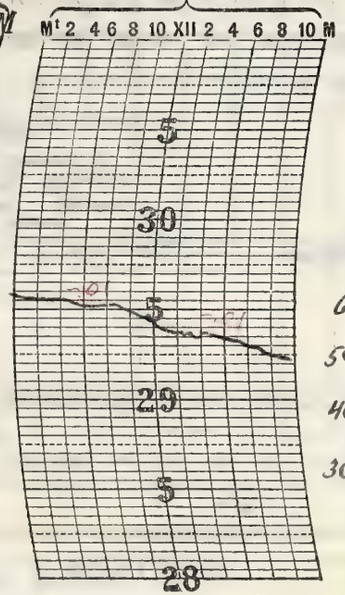
Clouds: Amount, 5; Kind, Ast.; Direction, W.

Velocity of clouds (miles per hour)

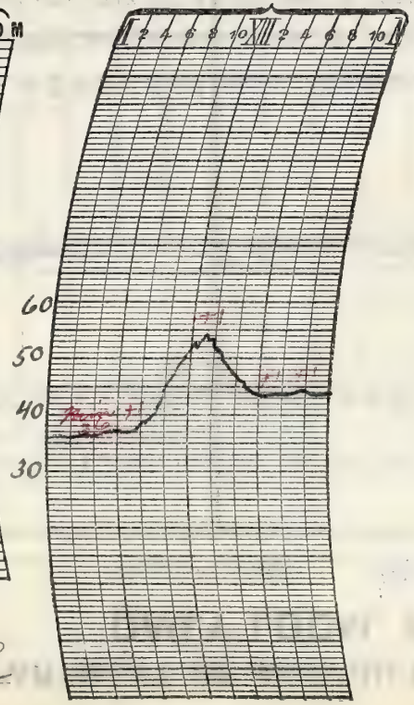
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by C. A. Schick

Verified by R. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV 22 1919, 191

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	45	42	40	37	38	38	38	38	41	44	46
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy					Cloudy				
Sunrise: Time, Character	6:37 Cloudy											
Moonrise	6:35a											
Sunshine (in tenths of hours)							0	0 (1.0, 0.1)	0.9	1.0	1.0	1.0
Wind direction	SW	W	W	W	W	W	W	W	SW	SW	SW	SW
Wind movement	13	16	18	20	19	16	14	14	18	19	23	25

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	49	50	49	47	45	44	44	44	43	42	41
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Clear									?
Sunset: Time, Character									4:18 Cloudy			
Moonset									4:27p.			
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.6	0							
Wind direction	SW	SW	W	W	W	W	W	W	W	W	W	W
Wind movement	24	24	23	20	19	18	18	19	19	17	14	15

State of weather.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	37	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .04 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day Cloudy Moon phase NEW-9:20a

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 8.6 Possible sunshine, hours, 9.7

Per cent of possible sunshine, 89

Prevailing wind direction, W. Total wind 445

Average hourly velocity, 18.5 Extreme velocity, 30

Maximum velocity, 28 Direction, W

Time began, 1:07 pm.

Reduced barometer, 30.12 7 a. m. 29.92 7 p. m.

River gage, 2.8 ft.

Relative humidity, 75 7 a. m. 63 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 p.m.
(Local Mean Time.)

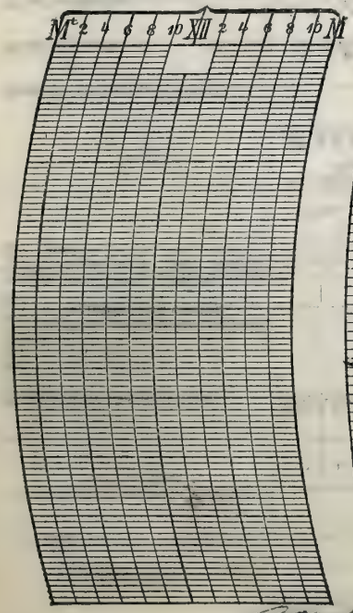
Dry temperature, 46.4 Wet temperature, 40.0

Dew-point, 32 R. humidity, 57 V. pressure, .180

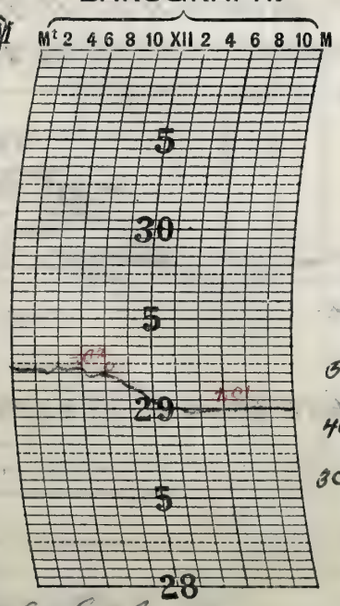
Clouds: Amount, 3; Kind, Ci.St.; Direction, W.

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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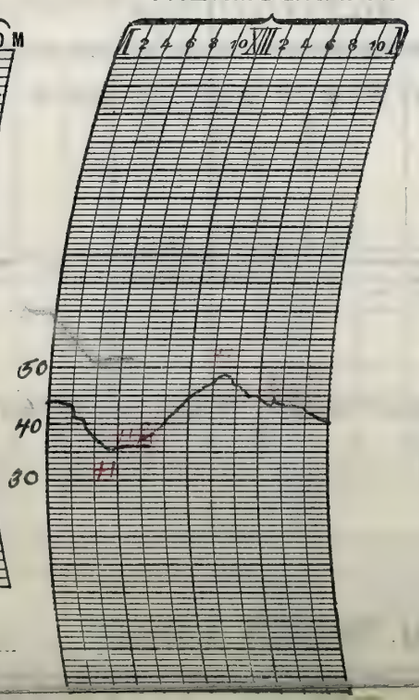


NOTES.

Partial solar eclipse observed commencing at 6:42 am. The moon entered the sun's disc at the right and passed clockwise around the edge of the sun covering about one eighth of the sun disc, the phenomena ended at 9:25 am.

Prepared by C. C. Schick

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 23 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	38	38	37	37	35	37	39	39	40 RB 9:40	41	40	40	39	40	40	37 RE 4:30	37	37	37	35	36	34	33
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	?		Pt Cloudy					x							Cloudy									?
Sunrise: Time, Character,	6:38 Cloudy																							
Moonrise:	3:22a																							
Sunset: Time, Character,																					4:17 Cloudy			
Moonset:																					5:11p			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	W	W	W	W	W	SW	SW	W	W	W	NW	W	W	W	SW	W	NW	NW	W	W	W	W	SW	SW
Wind movement	15	14	13	11	8	9	12	12	8	7	9	11	11	11	10	9	13	7	5	7	7	9	9	7
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

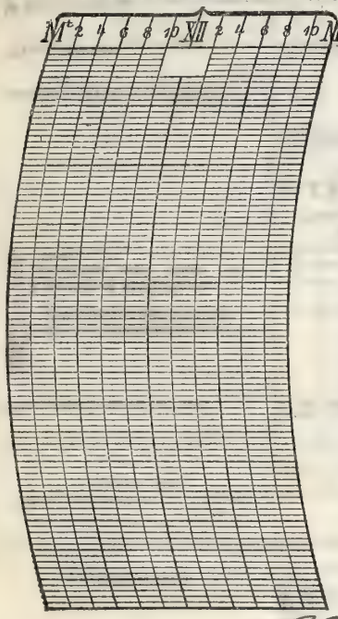
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
41	33	37	

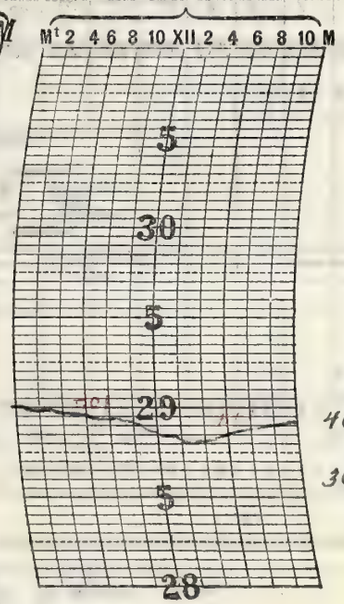
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .06 ins.
Total precipitation, midnight to midnight, .06 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 234
Average hourly velocity, 9.8 Extreme velocity, 18
Maximum velocity, 17 Direction, W
Time began, 12:51am
Reduced barometer, 29.86 7 a. m. 29.80 7 p. m.
River gage, 2.7
Relative humidity, 74 7 a. m. 87 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 7:38pm
(Local Mean Time.)
Dry temperature, 40.0 Wet temperature, 38.8
Dew-point, 38 R. humidity, 90 V. pressure, .228
Clouds: Amount, 10; Kind, Nb; Direction, W
Velocity of clouds (miles per hour)

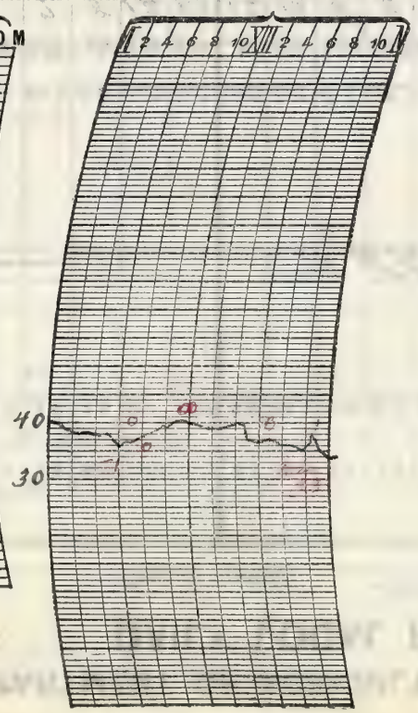
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by C. C. Schuck
Verified by P. M. Donovan

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 2 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	32	33	31	31	30	30	30	36	39	41	44
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?	Clear						x				
Sunshine (in tenths of hours)							.35 a	1.0 a	0.3 a	1.0	1.0	1.0
Wind direction	W	W	W	W	SW	SW	SW	SW	SW	W	SW	SW
Wind movement	6	6	6	5	6	8	8	7	7	8	12	13

Sunrise: Time, 6:39; Character, Clear. Moonrise: 8:16 a.m.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	45	44	43	43	42	41	41	41	39	39	40
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt. Cloudy											?
Sunshine (in tenths of hours)	1.0	1.0	0.8	0	0							
Wind direction	W	W	SW	SW	SW	SE	SE	SE	SE	S	S	S
Wind movement	12	12	8	8	4	4	6	8	8	9	11	10

Sunset: Time, 4:16; Character, Cloudy. Moonset: 6:01 p.m.

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

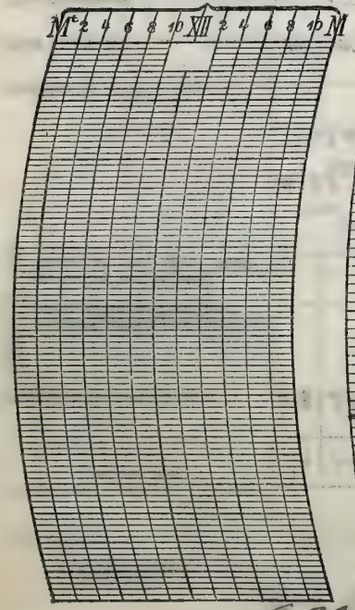
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
45	30	38	—

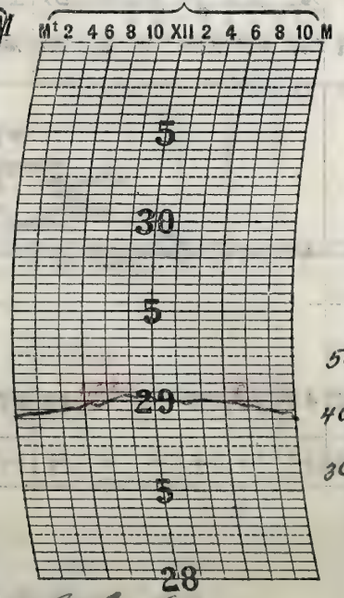
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, 4
Average daily cloudiness (0-10),
Actual sunshine, hours, 8.2 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 85
Prevailing wind direction, SW Total wind 192
Average hourly velocity, 8.0 Extreme velocity, 15
Maximum velocity, 14 Direction, W
Time began, 1:19 p.m.
Reduced barometer, 29.94 7 a. m. 29.93 7 p. m.
River gage, 2.7
Relative humidity, 88 7 a. m. 55 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)
Dry temperature, 42.4 Wet temperature, 34.4
Dew-point, 22 R. humidity, 42 V. pressure, .113
Clouds: Amount, 4; Kind, Cu St; Direction, W
Velocity of clouds (miles per hour)

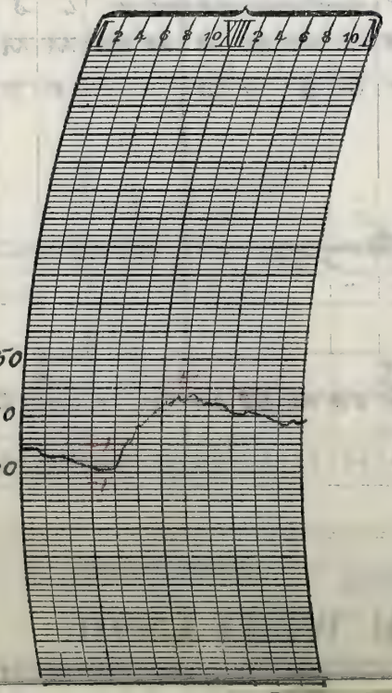
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by C. C. Schick.
Verified by F. M. Donovan

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Tuesday, (Date) NOV 25 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	39	38	37	38	40	40	42	43	45	47	46
Nature of precipitation and time of beginning and ending		RB 1:10						RE 7:05				
Amounts of precipitation		—	—	—	—	—	—	—				
Cloudiness and other conditions	?	Cloudy										
Sunrise: Time, Character,	6:41 Cloudy											
Moonrise:	9:01A											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	S	S	S	SE	S	S	S	SW	SW	SW	W	NW
Wind movement	9	8	8	9	9	9	10	9	9	7	8	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	46	45	45	45	45	42	40	39	38	37	37
Nature of precipitation and time of beginning and ending							RB 6:29	RE 7:05				
Amounts of precipitation							—	—				
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									4:16 Cloudy			
Moonset:									6:54P			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NW	NW	N	N	NE	NE	N	NE	NE	NE	NE	NE
Wind movement	9	7	7	7	6	6	12	14	15	14	17	16

State of weather.

Maximum velocities (exceeding 22 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	37	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .34 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .34 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.6

Per cent of possible sunshine, 0

Prevailing wind direction, NE Total wind 232

Average hourly velocity, 9.7 Extreme velocity, 20

Maximum velocity, 19 Direction, NE

Time began, 10:27 pm

Reduced barometer, 29.69 7a. m. 29.98 7p. m.

River gage, 2.8 ft.

Relative humidity, 92 7a. m. 85 7p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m. (Local Mean Time.)

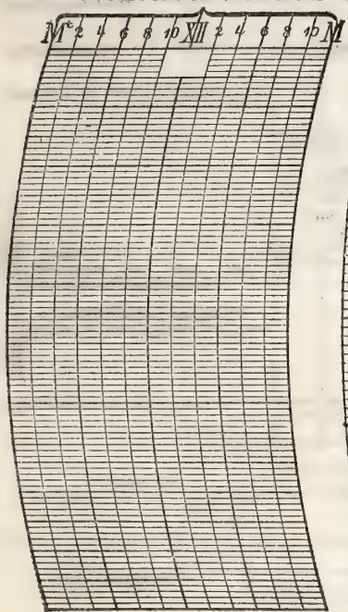
Dry temperature, 46.3 Wet temperature, 43.3

Dew-point, 40 R. humidity, 79 V. pressure, .247

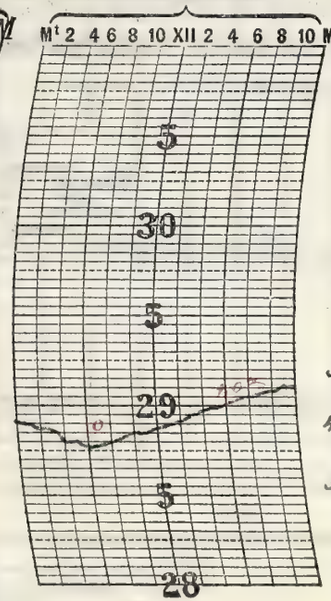
Clouds: Amount, 10; Kind, St; Direction, NW.

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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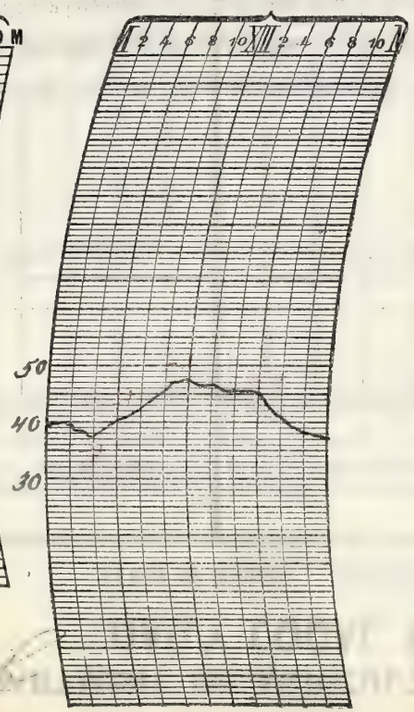


NOTES.

Cold wave warning received at 9:30 AM, embodied in regular am. forecast. It was disseminated by telephone to all interested parties, also printed on the bulletins

Prepared by E. A. Schick

Verified by C. M. Denney

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 26 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	34	33	32	31	31	31	30	31	31	32	33	33	32	32	31	31	31	31	31	30	29	29	28	28
State of weather: Nature of precipitation and time of beginning and ending																				RB 705	– –	RE 950		
Amounts of precipitation																				–	–	–		
Cloudiness and other conditions	Cloudy												Cloudy											

Sunrise: Time, 6:42 Character, Cloudy
Moonrise: 9:41 a
Sunset: Time, 4:15 Character, Cloudy
Moonset: 7:50 p

Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	N	NE	NE	NE	NE	N	N	N	NE	NE
Wind movement	17	17	17	18	20	21	20	18	19	20	21	17	18	16	15	16	14	12	10	9	11	9	11	11
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

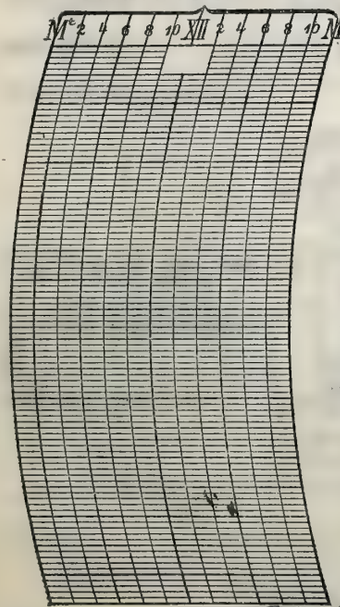
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	28	32	

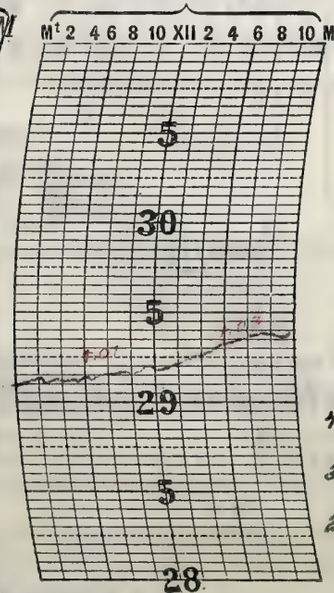
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind 377
Average hourly velocity, 15.7 Extreme velocity, 28
Maximum velocity, 27 Direction, NE
Time began, 6:07 am
Reduced barometer, 30.09 7 a. m. 30.31 7 p. m.
River gage, 2.9
Relative humidity, 84 7 a. m. 79 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 pm
(Local Mean Time.)
Dry temperature, 33.0 Wet temperature, 31.0
Dew-point, 28 R. humidity, 80 V. pressure, .150
Clouds: Amount, 10; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

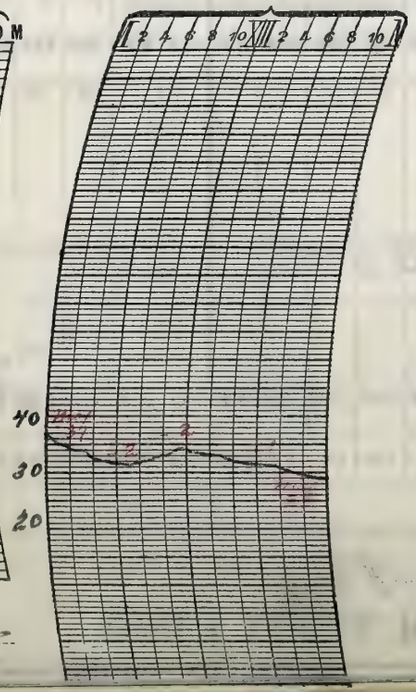
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cold, Cloudy, threatening, and unpleasant weather.

Prepared by C. C. Schick
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Thursday, (Date) NOV 27 1919, 191

Time (local standard). 90th mer. normal time

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	27	27	27	27	27	27	27	27	27	27	27	28	28	28	28	28	28	28	28	26	26	26	26
State of weather. Nature of precipitation and time of beginning and ending										S-B 9:50													SNE DNP	
Amounts of precipitation										-	—	-	—	—	—	—	—	—	—	—	—	—	—	
Cloudiness and other conditions	Cloudy						×	Foggy				×						Cloudy						

Sunrise: Time, 6:43 Character, Foggy

Moonrise: 10:18a

Sunset: Time, 4:15 Character, Cloudy

Moonset: 8:49p

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	NE	NE	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	9	8	8	9	8	7	8	7	9	10	9	9	9	11	9	12	11	10	9	12	11	11	11	10
Maximum velocities (exceeding 25 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
28	26	27	

Total depth of snow for 24 hours ending 7 p. m., 0.4 inches.

Snow, sleet, and hail on ground 7 p. m., 0.1 inches.

Total snowfall, midnight to midnight, 0.4 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., .04 ins.

Total precipitation, midnight to midnight, .04 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.5

Per cent of possible sunshine, 0

Prevailing wind direction, NE Total wind 227

Average hourly velocity, 9.5 Extreme velocity, 12

Maximum velocity, 12 Direction, NE

Time began, 5:15pm

Reduced barometer, 30.41 7 a. m. 30.47 7, p. m.

River gage, 36 feet

Relative humidity, 100 7 a. m. 94 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38pm
(Local Mean Time.)

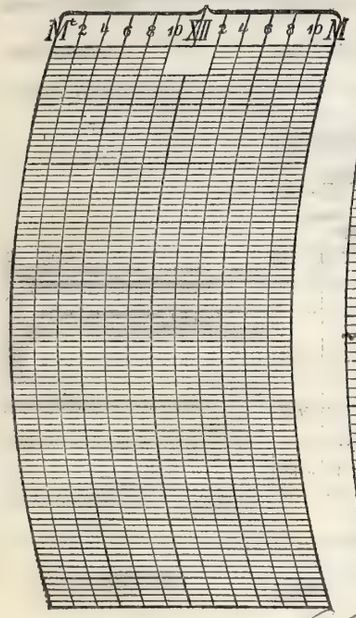
Dry temperature, 28.0 Wet temperature, 27.5

Dew-point, 27 R. humidity, 94 V. pressure, .143

Clouds: Amount, 10; Kind, Nb; Direction, NE

Velocity of clouds (miles per hour)

THERMOGRAPH.



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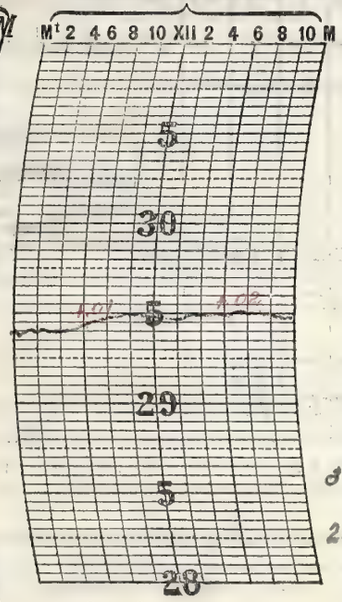

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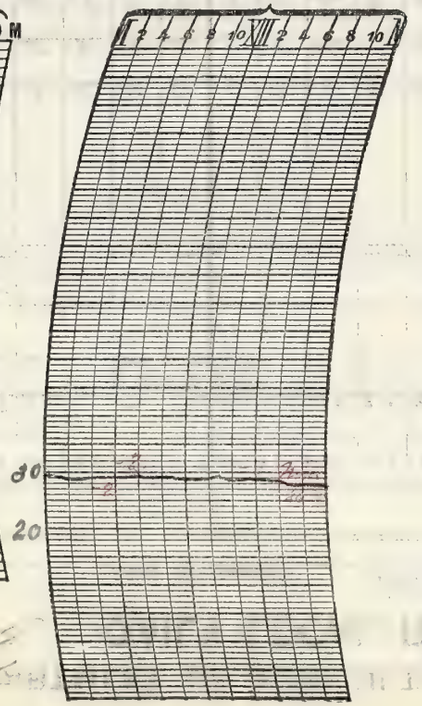


NOTES.

Prepared by C. A. Schick

Verified by W. M. Wenrich

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 28 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	26	26	27	28	28	28	29	29	30	31	32
State of weather: Nature of precipitation and time of beginning and ending							S^m B 6:30				S^m E 10:11	S^m B 11:12
Amounts of precipitation							—	—	—	—	—	—
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	6:44 Cloudy											
Moonrise:	10:51a											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NE	NE	NE	NE	E	E	E	E	E	E	E	E
Wind movement	11	10	11	9	11	11	8	8	8	7	7	7
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	33	33	33	33	33	34	35	35	36	39	42
State of weather: Nature of precipitation and time of beginning and ending	S^m E 1:00											
Amounts of precipitation	—											
Cloudiness and other conditions						Cloudy						
Sunset: Time, Character,									4:15 Cloudy			
Moonset:									9:49p.			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	E	E	NE	E	E	E	E	E	E	E	E	SE
Wind movement	5	6	6	8	6	5	6	5	5	4	3	6

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	26	34	

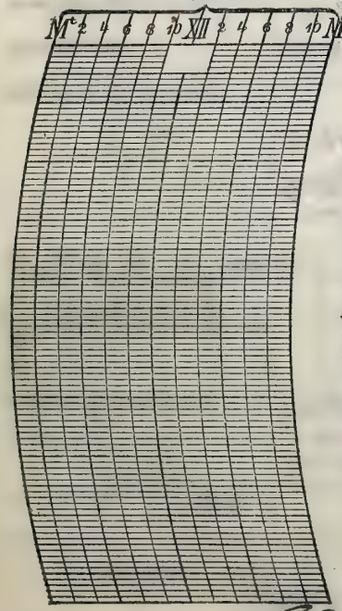
Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.2 ins.
Total precipitation, midnight to midnight, 0.2 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 173
Average hourly velocity, 7.2 Extreme velocity, 13
Maximum velocity, 13 Direction, E
Time began, 1:10 am.
Reduced barometer, 30.37 7 a. m. 30.07 7 p. m.
River gage, 3.8 Ft.
Relative humidity, 94 7 a. m. 95 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

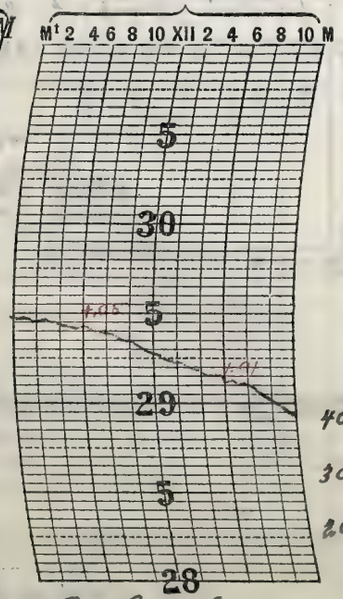
OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 31.0
Dew-point, 30 R. humidity, 90 V. pressure, .164
Clouds: Amount, 10; Kind, Nb.; Direction, E
Velocity of clouds (miles per hour)

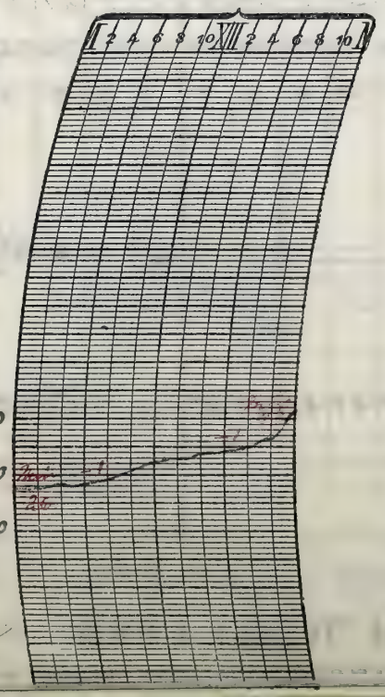
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special one p.m. (75th Meridian Time) observation called for by Central Office. Filed one fifteen p.m.

Streets and sidewalks were icy during the morning and slushy in the afternoon.

Prepared by C. A. Schick

Verified by P. McSwoyneah

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Saturday, (Date) NOV 29 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	44	46	47	50	53	54	56	57	57	58	59
Nature of precipitation and time of beginning and ending			RB 2:15								RE 10:12 RB 10:35	RE 11:57
Amounts of precipitation			–	–	–	–	–	–	–	–	–	–
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SE	SE	SE	SE	SE	SE	S	S	S	S	S	S
Wind movement	7	6	9	12	13	15	17	20	20	21	24	27
Maximum velocities (exceeding 29 miles) direction and time												S 11:43

Sunrise: Time, 6:45; Character, Cloudy. Moonrise: 11:22a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	56	57	43	44	41	39	38	34	32	31	30
Nature of precipitation and time of beginning and ending	RB 12:07	—	RE 2:07 RB 2:54		RE 4:11					SmB 9:15	—	~~RE~~ SmE DNP
Amounts of precipitation	–	–	–	–	–					–	–	–
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0.3	0	0							
Wind direction	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	24	27	28	44	36	40	37	38	37	32	33	34
Maximum velocities (exceeding 29 miles) direction and time	30 S 12:07	33 SW 1:37	37 SW 2:48	66 SW 3:11	58 SW 4:32	46 SW 5:12	46 SW 6:56	44 SW 7:51	46 SW 8:12	37 SW 9:29	41 SW 10:32	38 SW 11:13

Sunset: Time, 4:14; Character, Cloudy. Moonset: 10:51p

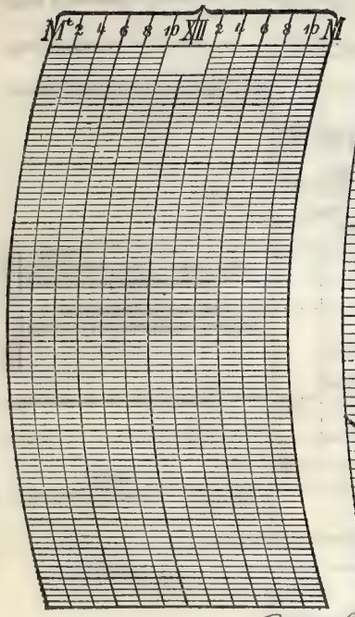
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	30	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .50 ins.; to 7 p. m., .93 ins.
Total precipitation, midnight to midnight, 1.43 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.3. Possible sunshine, hours, 9.5
Per cent of possible sunshine, 3
Prevailing wind direction, SW. Total wind 601
Average hourly velocity, 25.0 Extreme velocity, 74
Maximum velocity, 66 Direction, SW
Time began, 3:11 pm.
Reduced barometer, 29.49 7 a. m. 29.38 7 p. m.
River gage, 4.2 FEET.
Relative humidity, 92 7 a. m. 62 7 p. m.

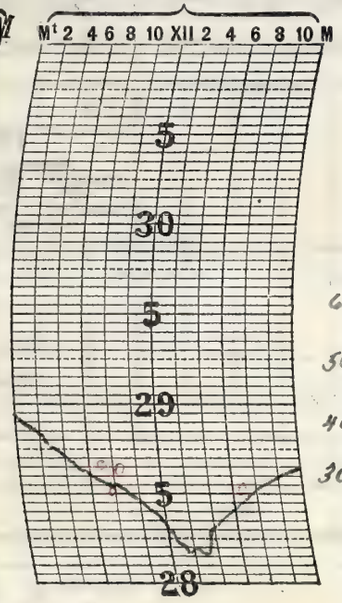
OBSERVATIONS AT ~~12 NOON.~~ 12:38pm (Local Mean Time.)
Dry temperature, 59.0 Wet temperature, 56.5
Dew-point, 55 R. humidity, 86 V. pressure, .432
Clouds: Amount, 10; Kind, Nb; ~~Direction~~, S.
Velocity of clouds (miles per hour)

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

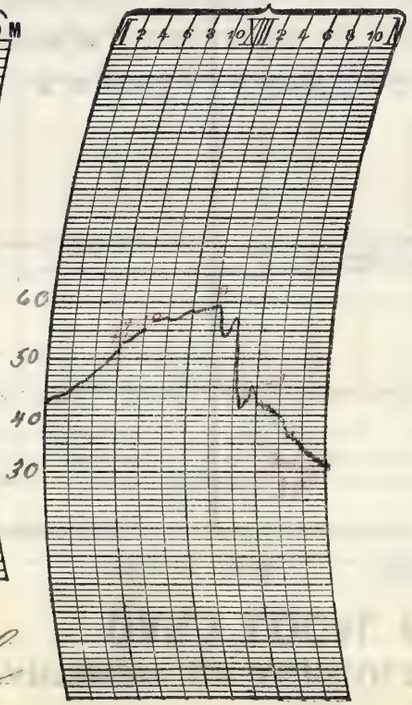
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by C. C. Schuck
Verified by P. McDonough

8—486

NOTES.

Cold wave warning received in regular am. forecast. It was published in all bulletins.

Special one pm (75th Mer Time) observation ordered by C. C.

Special observation taken at 4:20pm (75th Mer Time) on account of high wind due to passage of low pressure area.

A terrific windstorm which commenced about 10:30 this morning and continued throughout the day reached a maximum velocity of 66 miles per hour. Considerable damage was done to traction lines around the city also considerable damage to the show window of Ralph & Dreisamer Sts. The wind also blew down signs, trees & billboards about the city.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 30 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	28	26	25	24	21	22	21	19	19	19	20	22
State of weather: Nature of precipitation and time of beginning and ending		Sd B DNA										Sd E 11:30a
Amounts of precipitation		–	–	–	–	–	–	–	–	–	–	–
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)							0	0	0	0.2	0.5	1.0
Wind direction	SW	SW	SW	SW	W	SW	SW	SW	SW	W	W	W
Wind movement	32	32	29	31	30	26	28	28	28	27	25	26
Maximum velocities (exceeding 29 miles) direction and time	40 SW 12:33	38 SW 1:34	37 SW 2:48	39 SW 3:40	32 W 4:48	32 SW 5:14	32 W 6:08	30 SW 7:09	33 W 8:32	33 SW 9:29	32 W 10:49	30 SW 11:52

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	24	24	26	25	25	25	24	23	23	23	21	21
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt. Cloudy						Clear					
Sunshine (in tenths of hours)	1.0	0.9	0.8	0.2	0							
Wind direction	W	SW	W	W	SW	SW	SW	SW	SW	W	W	W
Wind movement	27	23	20	19	21	16	12	11	10	9	9	7
Maximum velocities (exceeding 29 miles) direction and time	30 W 12:16											

Sunrise: Time, 6:46 Character, Cloudy
Moonrise: 11:52a
Sunset: Time, 4:14 Character, Cloudy
Moonset: 11:55p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
30	19	24	✓

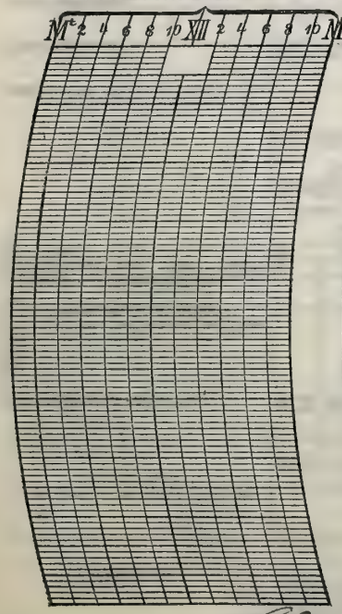
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches. 10:47a
Character of day, Pt. Cloudy Moon phase, First Quarter
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 4.6 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 48
Prevailing wind direction, SW Total wind 526
Average hourly velocity, 21.9 Extreme velocity, 45
Maximum velocity, 40 Direction, SW
Time began, 12:55 am
Reduced barometer, 29.84 7 a. m. 30.20 7 p. m.
River gage, 10.5 Feet
Relative humidity, 78 7 a. m. 59 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

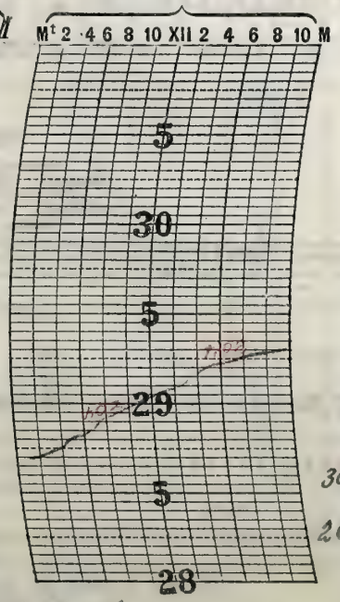
OBSERVATIONS AT ~~12 NOON.~~ 12:38 p M
(Local Mean Time.)

Dry temperature, 23.8 Wet temperature, 19.8
Dew-point, 9 R. humidity, 49 V. pressure, .060
Clouds: Amount, 5; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

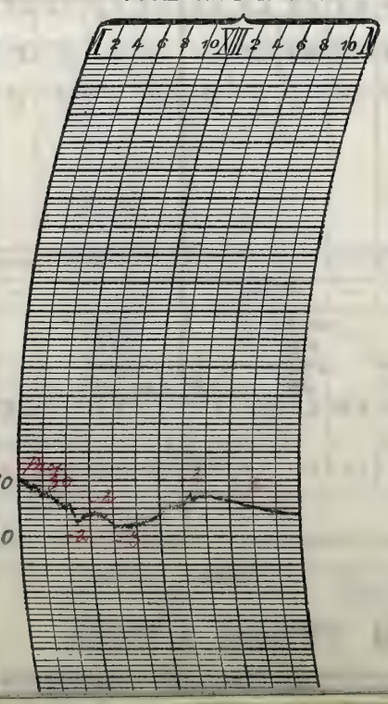
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cold wave occurred between 7am of the 29th and 7am this date. The temperature fell from 54° to 21 degree

Prepared by C. A. Schick
Verified by J. M. Denroach

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Monday, (Date) Dec. 1 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	21	20	20	19	19	20	20	22	23	25	27	27	29	29	29	30	30	30	29	29	29	29	29	28
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Clear							Pt. Cldy		Cldy			Pt Cldy					Cloudy						
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0.5	0	0	0							
Wind direction	W	W	W	W	W	W	W	SW	S	S	S	S	S	S	SE	SE	SE	E	NE	NE	NE	NE	NE	NE
Wind movement	10	10	9	7	6	5	3	4	4	4	3	3	3	4	3	4	4	4	6	6	7	5	6	7
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:47 Character, Cloudy
Moonrise: 12:28p
Sunset: Time, 4:14 Character, Cloudy
Moonset: —

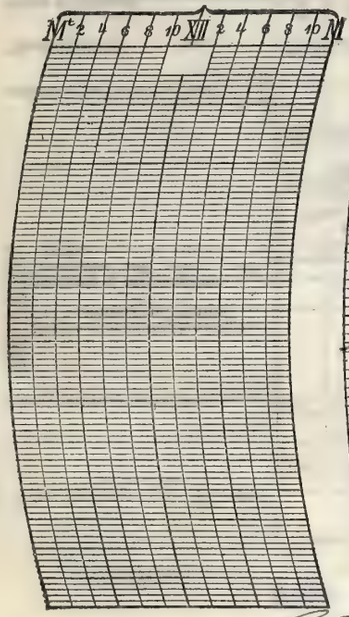
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
30	19	24	

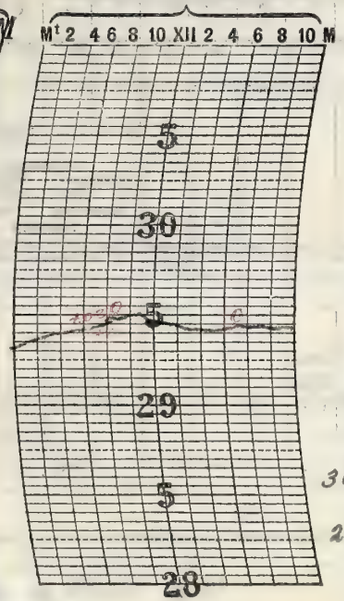
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 0.5 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 5
Prevailing wind direction, W Total wind 127
Average hourly velocity, 5.3 Extreme velocity, 12
Maximum velocity, 12 Direction, W
Time began, 1:19 am
Reduced barometer, 30.41 7 a. m. 30.38 7 p. m.
River gage, 11.5 ft
Relative humidity, 78 7 a. m. 56 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)
Dry temperature, 27.2 Wet temperature, 22.7
Dew-point, 12 R. humidity, 48 V. pressure, .070
Clouds: Amount, 5; Kind, Ast; Direction, W
Velocity of clouds (miles per hour)

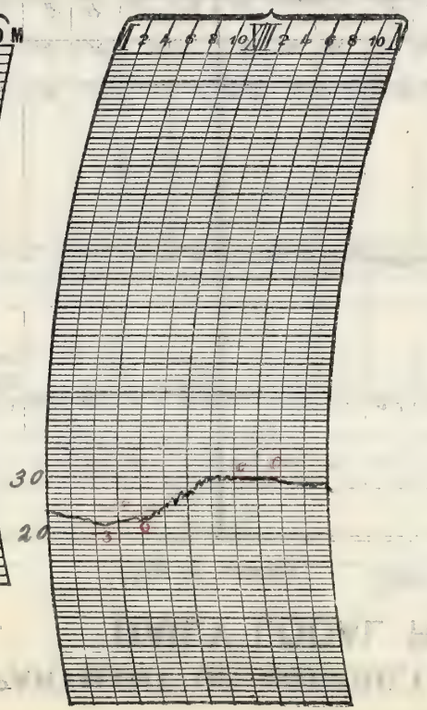
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cold wave warning based on the pm. observation was received at 6:35 am of the 2d. The warning indicated a fall of 20° or more by Tuesday night.

Prepared by C. A. Schick
Verified by R. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) Dec ~~Nov~~ 2 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	28	27	26	25	24	23	23	23	21	22	22
State of weather: Nature of precipitation and time of beginning and ending								S^dB 7:07				S^dE 11:18
Amounts of precipitation								—	—	—	—	—
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NE	N	N	N	N	N	N	N	N	N	N	N
Wind movement	8	7	7	8	10	11	8	7	8	8	8	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	22	22	21	19	17	17	15	15	15	14	14
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt. Cldy	Cldy	Cldy	Pt. Cldy			Clear					?
Sunshine (in tenths of hours)	0.7	0	0.2	0.4	0							
Wind direction	N	N	N	N	N	N	N	N	NE	NE	N	N
Wind movement	11	14	11	12	9	7	4	5	4	4	5	3

Sunrise: Time, 6:48 Character, Cloudy
Moonrise: 12:53 p
Sunset: Time, 4:13 Character, Cloudy
Moonset: 1:01 a

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

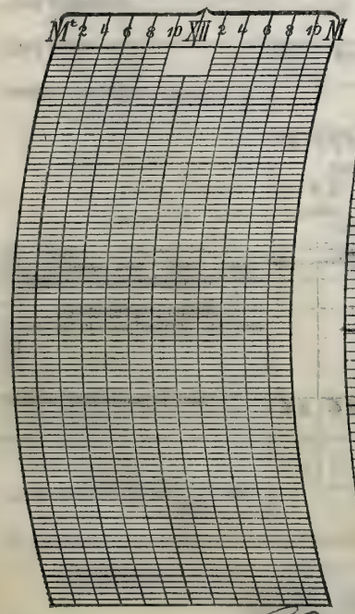
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
28	14	21	

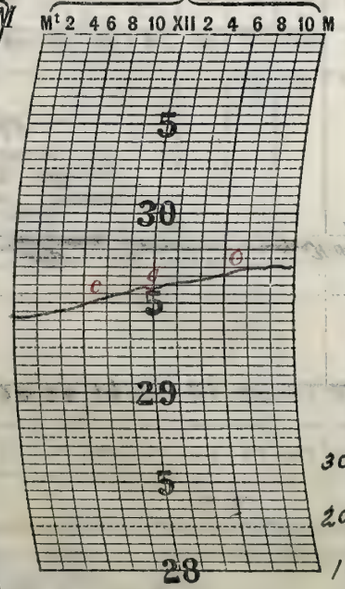
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 1.3 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 14
Prevailing wind direction, N Total wind 188
Average hourly velocity, 7.8 Extreme velocity, 17
Maximum velocity, 16 Direction, N
Time began, 1:04 pm
Reduced barometer, 30.45 7 a. m. 30.64 7 p. m.
River gage, 9.7 ft
Relative humidity, 73 7 a. m. 66 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 1:38 P.M.
(Local Mean Time.)
Dry temperature, 23.8 Wet temperature, 20.0
Dew-point, 10 R. humidity, 51 V. pressure, .063
Clouds: Amount, 4 (2 1st); Kind, Cu; Direction, N.
Velocity of clouds (miles per hour)

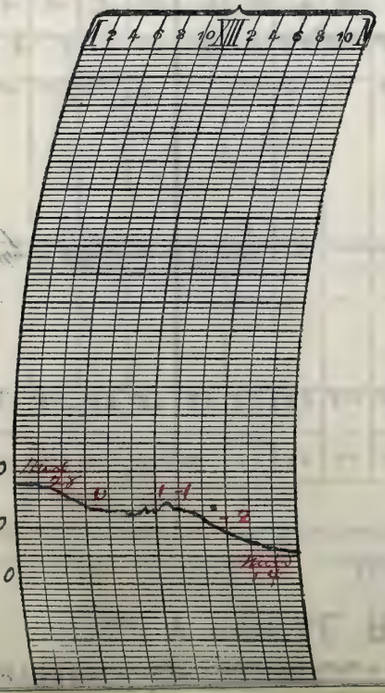
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cold wave warning received in am. forecast. It was published on the bulletins and telephoned to all interested parties.

Special 1:00 pm (75th Mer. Time) observation called for by Central Office. Cold and windy day.

Prepared by C. M. Schick
Verified by P. McDonough

FORM NO. 1017—MOD. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) 10 Dec ~~NOV~~ - 3 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	12	12	12	13	14	15	16	17	18	20	22	22
State of weather: Nature of precipitation and time of beginning and ending						S°B 5:58			S°E 8:47			
Amounts of precipitation						–	–	–	–			
Cloudiness and other conditions	?			Cloudy						×	Pt Cloudy	
Sunshine (in tenths of hours)							0	0	0	0.4	0.9	0.8
Wind direction	NE	NE	N	N	SW	SW	SW	SW	SW	NW	NW	N
Wind movement	4	3	3	1	4	3	6	6	4	5	6	6

Sunrise: Time, 6:49; Character, Cloudy. Moonrise: 1:28p

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	24	23	22	21	20	19	18	19	19	19	18
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pt Cloudy		×			Clear				
Sunshine (in tenths of hours)	0.5	0.9	0.9	0.6 0.4	0.22 0							
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	N	NW	W	W
Wind movement	7	6	7	7	4	5	3	3	2	2	2	2

Sunset: Time, 4:13; Character, Clear. Moonset: 2:10a.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

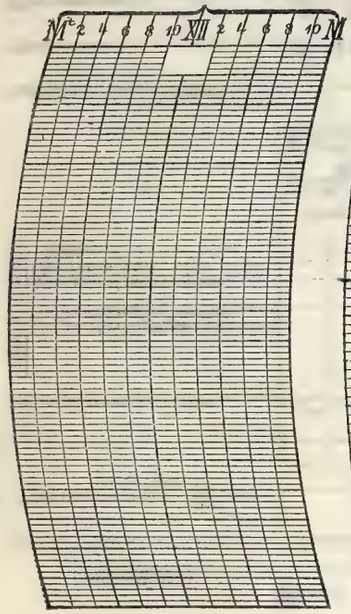
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
24	12	18	

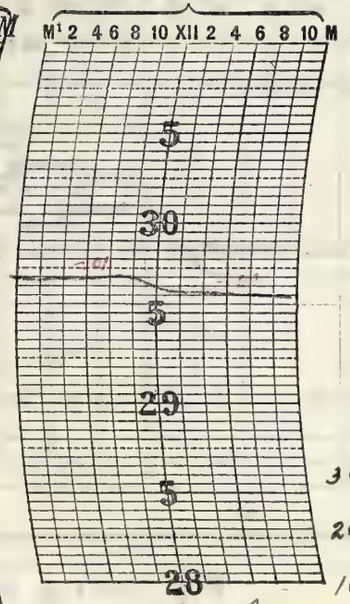
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 5.6 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 60
Prevailing wind direction, NW Total wind 101
Average hourly velocity, 4.2 Extreme velocity, 10
Maximum velocity, 10 Direction, NW
Time began, 2:00 pm
Reduced barometer, 30.67 7 a. m. 30.57 7 p. m.
River gage, 8.3
Relative humidity, 83 7 a. m. 60 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 pm
(Local Mean Time.)
Dry temperature, 22.0 Wet temperature, 18.7
Dew-point, 10 R. humidity, 55 V. pressure, .063
Clouds: Amount, 4; Kind, Ba Cu; Direction, W
Velocity of clouds (miles per hour)

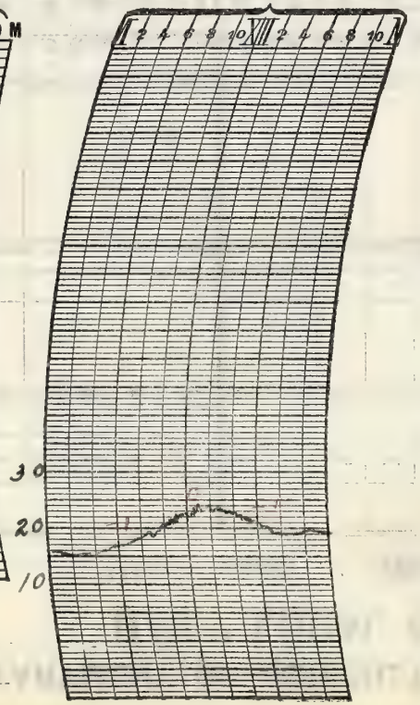
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cold and raw day.

Prepared by C. A. Schrick
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 4 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	18	18	18	18	17	17	17	19	24	27	29	30
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunrise: Time, Character,	6:50 Cloudy											
Moonrise:	2:07p											
Sunshine (in tenths of hours)							0	0	0.6	1.0	1.0	1.0
Wind direction	W	SW	S	S	S	S	S	S	S	SW	SW	SW
Wind movement	2	3	4	5	7	8	7	8	9	12	16	17
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	32	32	32	31	30	30	30	31	31	31	31	31
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear								Cloudy			
Sunset: Time, Character,									4:13 Clear			
Moonset:									3:22a			
Sunshine (in tenths of hours)	1.0	1.0	0.1 0.9	1.0 0	.22 0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	16	17	19	15	12	11	12	17	16	15	16	19
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
32	16	24	

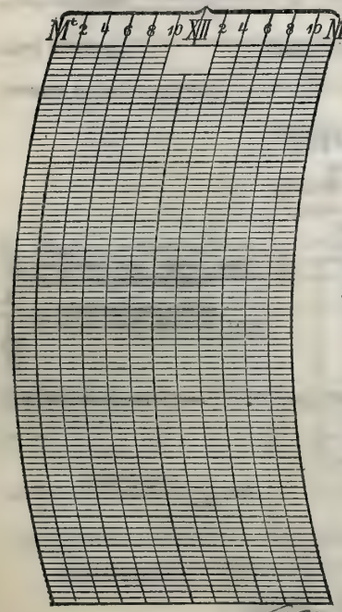
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 7.8 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 83
Prevailing wind direction, SW Total wind 283
Average hourly velocity, 11.8 Extreme velocity, 24
Maximum velocity, 22 Direction, W
Time began, 11:19 pm
Reduced barometer, 30.48 7 a. m. 30.19 7 p. m.
River gage, 7.0 Feet
Relative humidity, 72 7 a. m. 63 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)
Dry temperature, 29.7 Wet temperature, 25.7
Dew-point, 18 R. humidity, 57 V. pressure, .093
Clouds: Amount, 2; Kind, Cu; Direction, 0?
Velocity of clouds (miles per hour)

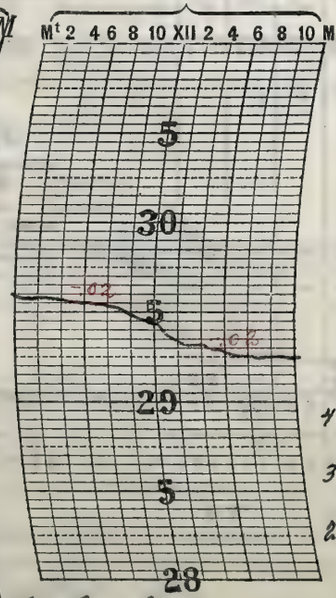
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

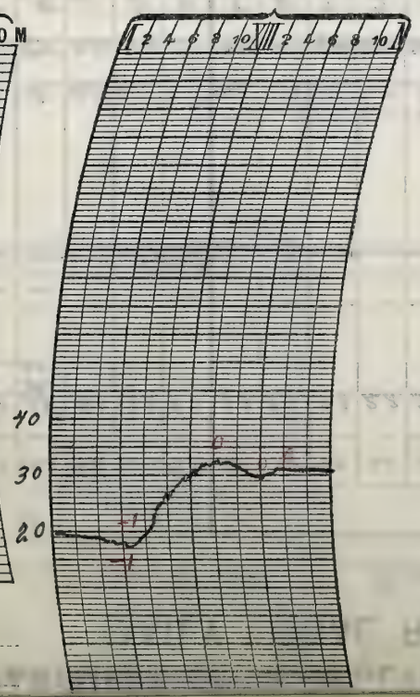
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by E. A. Schick
Verified by J. M. Donovan

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Friday, (Date) DEC - 5 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	30	30	30	29	28	28	27	27	28	28	28	29	29	28	28	28	28	28	28	28	28	27	26
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Cloudy												Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	W	W	W	W	W	W	W	W	W	NW	NW	NW	NW	NW	NW	N	NE	E	E	SE	SE	E	E	E
Wind movement	18	19	17	14	16	14	14	11	10	8	8	6	5	5	3	4	4	3	4	3	6	4	5	4
Maximum velocities (exceeding 22 miles) direction and time																								

Sunrise: Time, 6:51 Character, Cloudy
Moonrise: 2:54p

Sunset: Time, 4:13 Character, Cloudy
Moonset: 4:35a

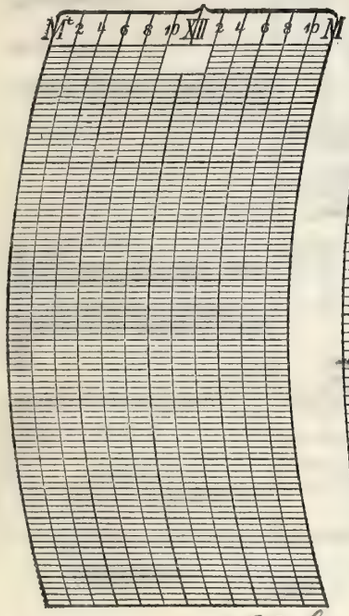
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
31	26	28	

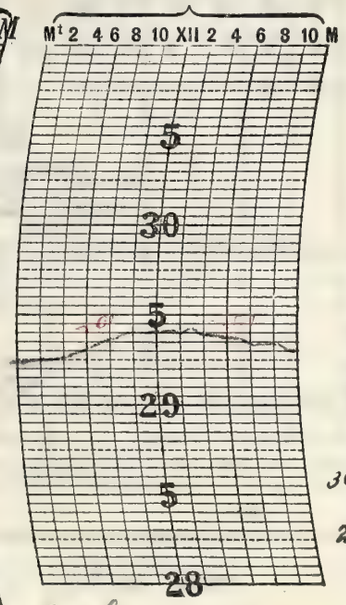
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 205
Average hourly velocity, 8.5 Extreme velocity, 24
Maximum velocity, 23 Direction, W
Time began, 1:00am
Reduced barometer, 30.27 7 a. m. 30.32 7 p. m.
River gage, 6.3 FEET
Relative humidity, 77 7 a. m. 60 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 pm
(Local Mean Time.)
Dry temperature, 22.0 Wet temperature, 25.5
Dew-point, 19 R. humidity, 61 V. pressure, 098
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

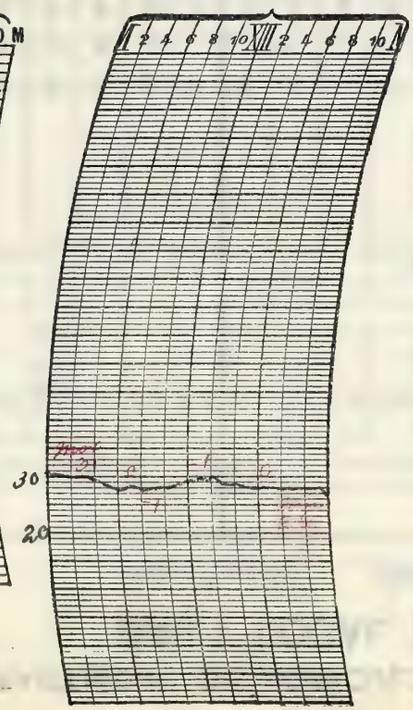
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

An ill-defined lunar halo, 22° radius, was observed at 6:35 pm

Prepared by E. J. Schick
Verified by J. M. Kenney

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 7 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	25	25	26	27	27	27	28	29	31	31	32	32
State of weather: Nature of precipitation and time of beginning and ending		SnB DNA							SnE 8:17 RB 8:17			
Amounts of precipitation		–	–	–	–	–	–	–	–	–	–	–
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	6:52 Cloudy											
Moonrise:	3:48p											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	E	E	E	E	E	SE	E	E	E	E	E	E
Wind movement	5	5	6	6	7	6	6	6	4	4	3	3

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	34	34	35	35	35	35	35	34	34	34	34
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	–	–	–	–	–	–	–	–	–	–	–	–
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									4:13 Cloudy			
Moonset:									5:48a			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	E	SE	SE	SE	SE	E	S	NE	N	N	N	W
Wind movement	3	2	2	3	2	2	2	2	2	3	3	4

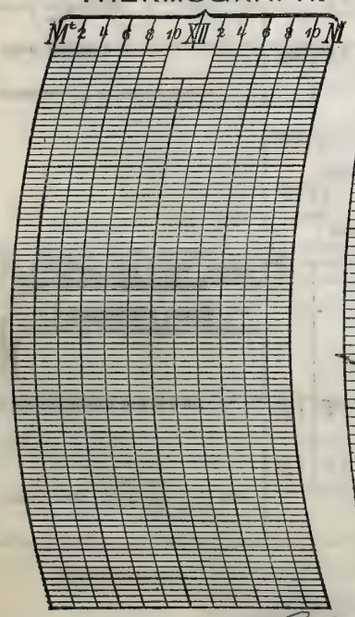
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	25	30	

Total depth of snow for 24 hours ending 7 p. m., 1.0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 1.0 inches.
Precipitation to 7 a. m., .08 ins.; to 7 p. m., .28 ins.
Total precipitation, midnight to midnight, .32 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 97
Average hourly velocity, 3.8 Extreme velocity, 8
Maximum velocity, 8 Direction, E
Time began, 6:33 a.
Reduced barometer, 29.91 7 a. m. 29.51 7 p. m.
River gage, 5.2 FEET.
Relative humidity, 94 7 a. m. 94 7 p. m.

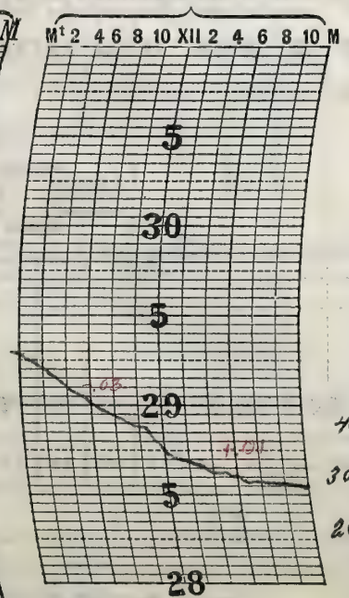
OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)
Dry temperature, 32.0 Wet temperature, 31.5
Dew-point, 31 R. humidity, 95 V. pressure, .192
Clouds: Amount, 10; Kind, Nb; Direction, E
Velocity of clouds (miles per hour)

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

THERMOGRAPH.



BAROGRAPH.



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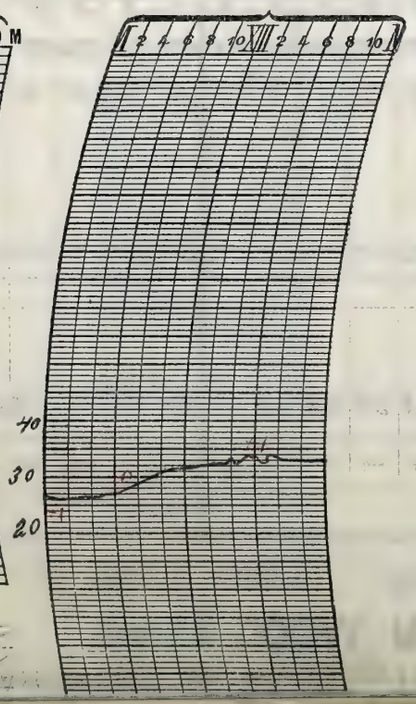


Ø Estimated.

NOTES.

The rain during the day melted the snow making walking slushy and disagreeable.

Prepared by C. C. Schuck
Verified by J. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC - 1 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	33	33	33	33	32	31	30	30	29	29	28
Nature of precipitation and time of beginning and ending									RE 3:18 SdE 8:18			SdE 11:30
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	6:53 Cloudy											
Moonrise:	4:50p											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	W	W	W	W	W	W	W	W	W	W	SW	SW
Wind movement	5	8	9	13	11	15	17	18	17	15	15	17

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	28	28	27	26	26	26	26	26	26	26	26
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									4:13 Cloudy			
Moonset:									6:56a			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	W	SW	SW	W	W	W
Wind movement	17	15	20	17	12	12	12	12	11	9	9	8

State of weather.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

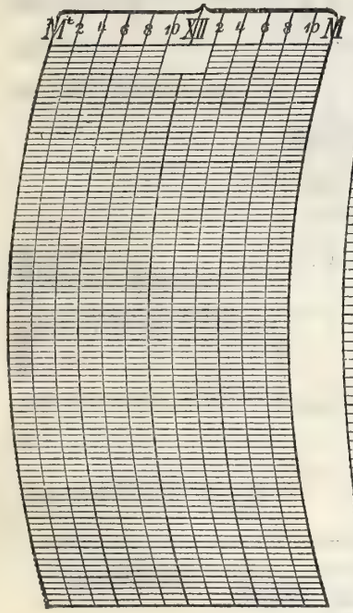
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	26	30	

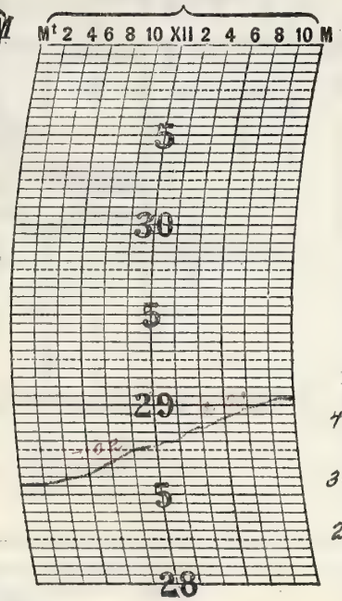
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase, Full 4:04a
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind 314
Average hourly velocity, 13.1 Extreme velocity, 26
Maximum velocity, 25 Direction, SW
Time began, 2:17 pm.
Reduced barometer, 29.56 7a. m. 29.89 7p. m.
River gage, 4.5 Feet
Relative humidity, 100 7a. m. 73 7p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 pm
(Local Mean Time.)
Dry temperature, 28.0 Wet temperature, 28.0
Dew-point, 28 R. humidity 100 V. pressure, .150
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

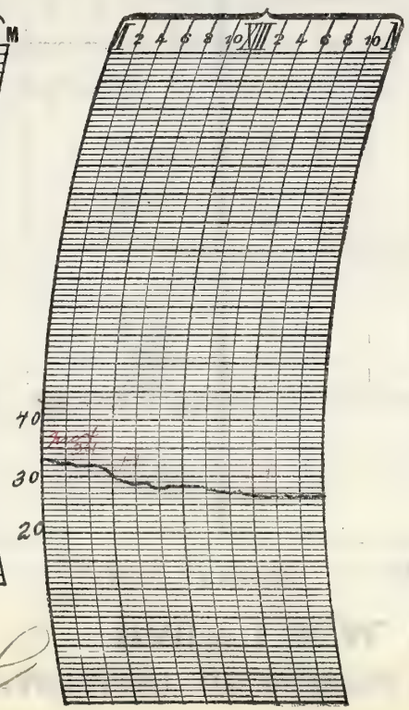
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by C. C. Schick
Verified by P. McDonough

8—486

ϕ Estimated.

NOTES.

The slush remaining from the 6th fuge during the night making the streets and walk slippery and icy and walking treacherous.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC - 8 1919, 191

Time (local standard). 90" mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	25	24	24	23	22	22	21	22	23	23	24
State of weather: Nature of precipitation and time of beginning and ending											Sd 13 10:02 Sd E 10:14	
Amounts of precipitation											—	
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	6:54 Cloudy											
Moonrise:	5:59p											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	W	W	NW	NW	N	N	NE	NE	NE	NE	NE	NE
Wind movement	8	5	5	5	6	6	8	8	5	8	8	8
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	25	26	26	26	26	26	26	26	26	26	26
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									4:13 Cloudy			
Moonset:									7:58a			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	E	NE	NE	NE
Wind movement	7	10	11	10	10	10	8	11	9	10	10	11

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

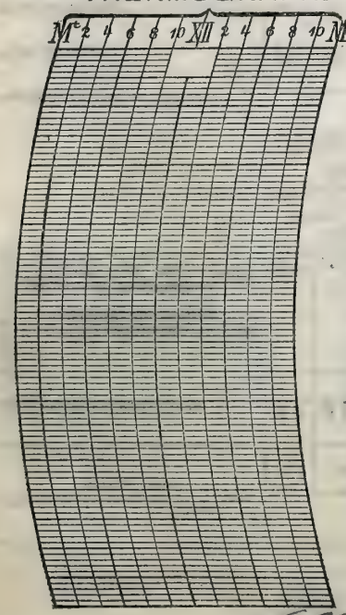
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
26	21	24	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine,
Prevailing wind direction, NE Total wind 197
Average hourly velocity, 8.2 Extreme velocity,
Maximum velocity, 13 Direction, NE
Time began, 3:04 pm.
Reduced barometer, 30.12 7 a. m. 30.12 7 p. m.
River gage, 4.1 FEET
Relative humidity, 80 7 a. m. 82 7 p. m.

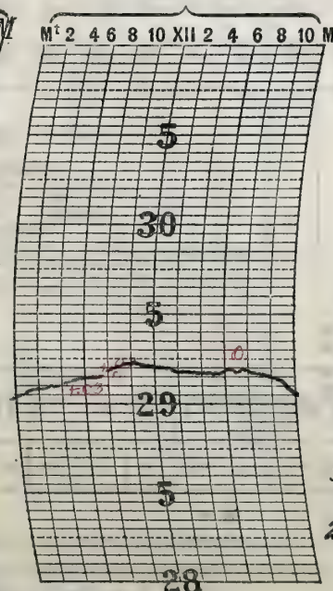
OBSERVATIONS AT ~~12 NOON.~~ 12:38 pm
(Local Mean Time.)

Dry temperature, 24.7 Wet temperature, 23.7
Dew-point, 22 R. humidity, 87 V. pressure, .113
Clouds: Amount, 10; Kind, St; Direction, N.
Velocity of clouds (miles per hour)

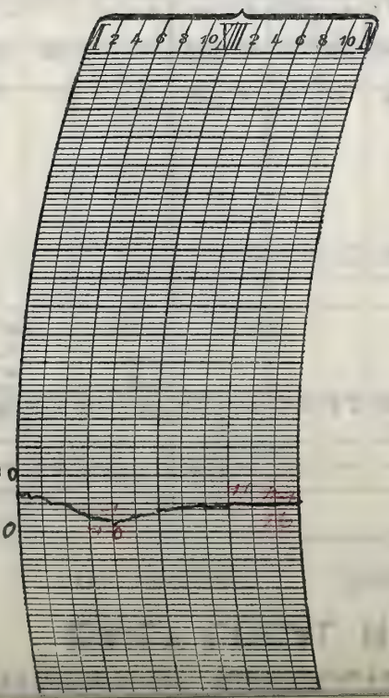
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The following warning was received at 3:01 pm; Cold wave; temperature will fall decidedly on Tuesday, with a severe cold wave Tuesday night and Wednesday. The information was published in the News-Sentinel, also telephoned to transportation companies, business concerns and others interested in the matter.

Dark and gloomy day.

Prepared by C. C. Schick.

Verified by J. M. Donough

FORM NO. 1017—REV. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Tuesday, (Date) DEC - 9 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	27	27	28	28	29	29	30	31	33	33	33
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	E	NE	N	NE	NE	NE	NE	NE	NE	NE	SW	W
Wind movement	10	7	7	10	6	6	5	4	3	4	8	10

Sunrise: Time, 6:55; Character, Cloudy. Moonrise: 7:09 p

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	31	28	24	19	17	14	10	9	8	6
State of weather: Nature of precipitation and time of beginning and ending					S^m B 4:50	S^m E 5:45		S^d B 7:00			S^d E DNP	
Amounts of precipitation					—	—		—	—	—	—	
Cloudiness and other conditions							Cloudy					?
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	W	W	W	W	W	W	W	W	W	W	W
Wind movement	9	14	19	18	18	21	21	22	21	23	20	21

Sunset: Time, 4:13; Character, Cloudy. Moonset: 8:50 p

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

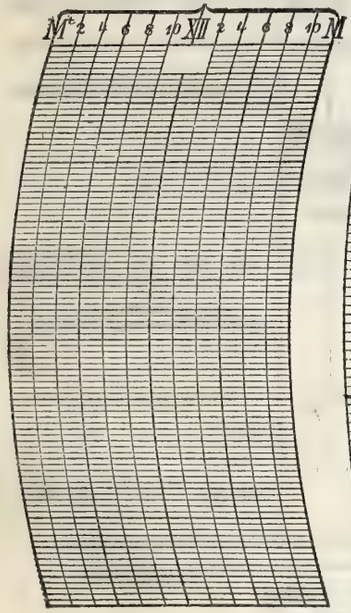
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	6	20	

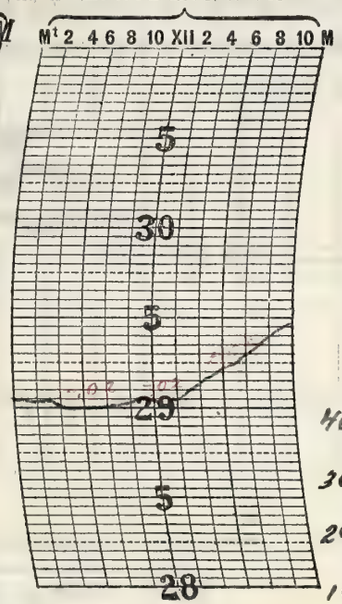
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 307
Average hourly velocity, 12.8 Extreme velocity, 28
Maximum velocity, 27 Direction, W
Time began, 7:48 pm
Reduced barometer, 29.93 7 a. m. 30.22 7 p. m.
River gage, 3.7 Feet
Relative humidity, 100 7 a. m. 80 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 pm
(Local Mean Time.)
Dry temperature, 33.1 Wet temperature, 32.1
Dew-point, 31 R. humidity, 90 V. pressure, .172
Clouds: Amount, 10; Kind, St; Direction, N.
Velocity of clouds (miles per hour)

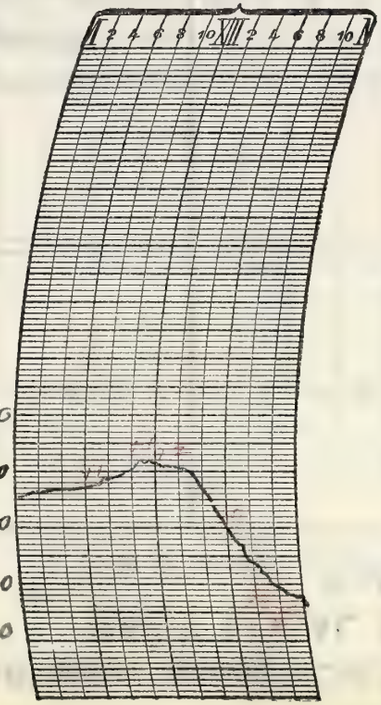
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cold wave warning was received at 9:20 am., embodied in regular am. forecast. It was published on all bulletins.

Special one pm. (75th Meridian Time) observation called for by Central Office.

Prepared by C. A. Schick
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 10 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	4	3	2	0	-2	-3	-2	-1	1	3	4	7
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?				Clear							
Sunshine (in tenths of hours)							0	0	0.8	1.0	1.0	1.0
Wind direction	SW	SW	SW	W	W	SW	SW	SW	SW	W	W	SW
Wind movement	21	19	17	17	14	16	15	14	15	13	13	12

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	9	9	10	9	7	7	7	7	7	7	7	7
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		Clear			Pt Cldy				Cloudy			?
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.2	0							
Wind direction	W	W	W	W	W	SW	W	SW	SW	SW	S	SE
Wind movement	12	10	12	10	7	6	6	5	4	5	2	4

Sunrise: Time, 6:55 Character, Clear. Moonrise: 8:19 p.

Sunset: Time, 4:13 Character, Clear. Moonset: 9:34 a

Maximum velocities (exceeding 22 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
10	-4	3	-

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), Few

Actual sunshine, hours, 9.3 Possible sunshine, hours, 9.3

Per cent of possible sunshine, 100

Prevailing wind direction, SW Total wind 269

Average hourly velocity, 11.2 Extreme velocity, 27

Maximum velocity, 27 Direction, W

Time began, 12:53 am

Reduced barometer, 30.78 7 a. m. 30.85 7 p. m.

River gage, 2.9 Feet

Relative humidity, 64 7 a. m. 47 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 1:38 p.m.
(Local Mean Time.)

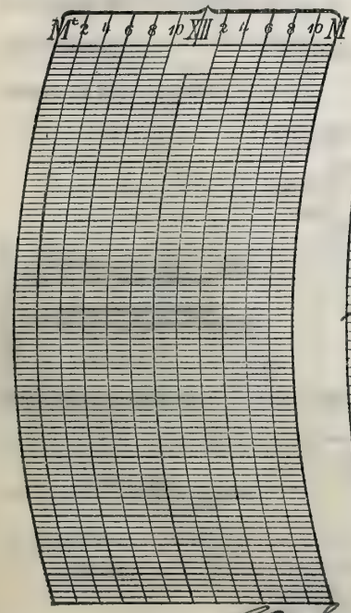
Dry temperature, 7.7 Wet temperature, 6.2

Dew-point, -1 R. humidity, 65 V. pressure, 0.36

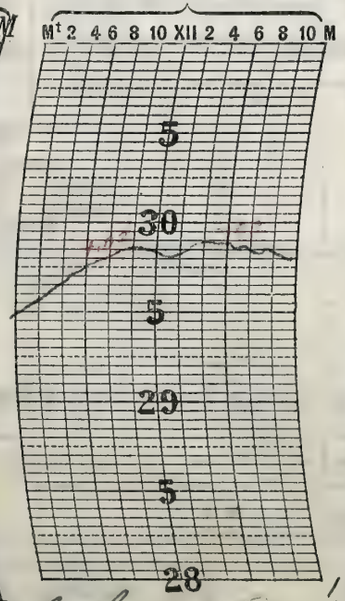
Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

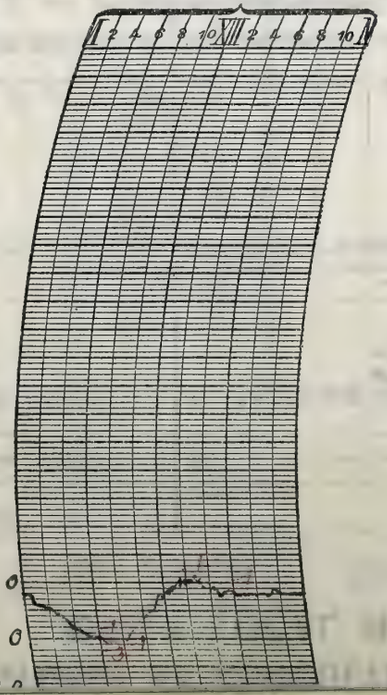
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and intensely cold weather but increasing cloudiness in the late afternoon and cloudy at night, but with moonlight through detached clouds.

A cold wave occurred between 7 am of 9th and 7 am this date the temperature falling from 29° to 2° below zero, the temperature reached being 40 below zero. The highest temperature reached during the day was 10°.

Prepared by C. E. Schick

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Thursday, (Date) DEC 11 1919, 191

Time (local standard). 90" mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	7	6	6	7	8	9	10	13	17	21	25	29	32	33	33	33	33	34	35	37	38	39	40	39
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	?			Pt Cloudy											Cloudy									
Sunrise: Time, Character,	6:56 Cloudy																				Sunset: Time, Character,	4:13 Cloudy		
Moonrise:	9:28p																				Moonset:	10:12a		
Sunshine (in tenths of hours)							0	0	0	0.3	0.2	0.6	1.0	0.8	0	0	0							
Wind direction	SE	E	E	E	E	E	E	SE	SE	SE	SE	S	S	SE	SE	SE	SE	S	S	S	S	SW	SW	SW
Wind movement	3	3	5	5	6	5	6	6	7	8	12	9	11	9	8	8	9	11	14	16	16	10	14	16
Maximum velocities (exceeding 22 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

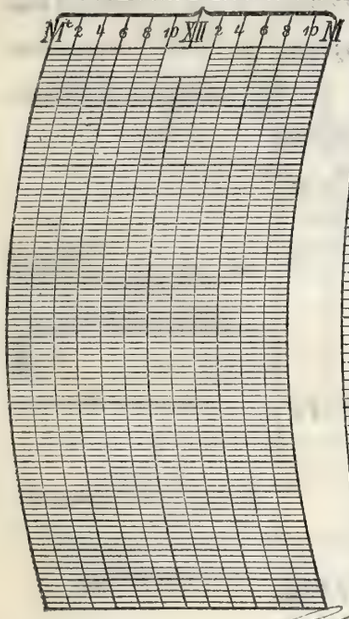
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	6	23	

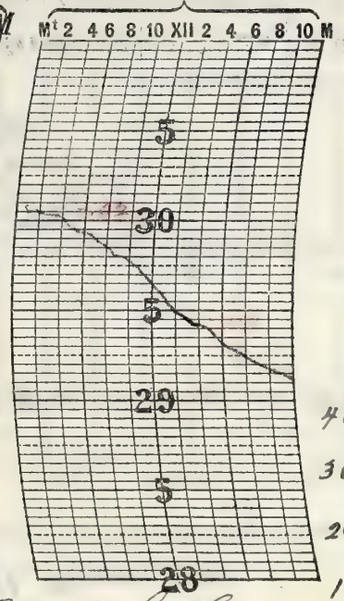
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.9 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 31
Prevailing wind direction, SE Total wind 217
Average hourly velocity, 9.0 Extreme velocity, 19
Maximum velocity, 18 Direction, SW
Time began, 11:29 pm
Reduced barometer, 30.59 7a. m. 30.04 7p. m.
River gage, 2.7 ft
Relative humidity, 67 7a. m. 57 7p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:28 pm
(Local Mean Time.)
Dry temperature, 30.0 Wet temperature, 28.0
Dew-point, 25 R. humidity, 78 V. pressure, .130
Clouds: Amount, 8; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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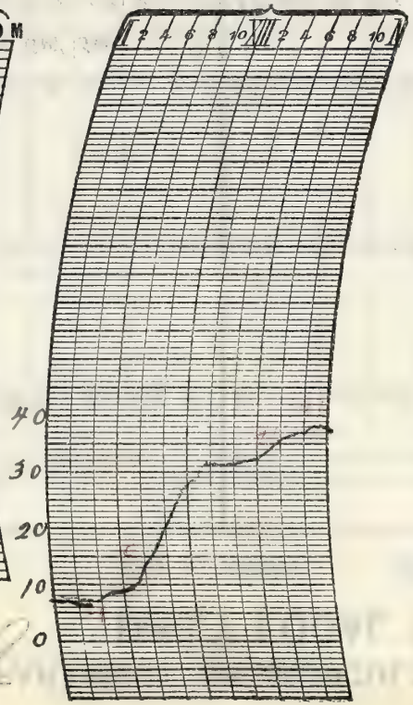


NOTES.

Prepared by C. C. Schuck
Verified by T. M. Kenoyer

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 12 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	38	38	38	38	38	38	38	38	39	39	42	45
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0.8
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S
Wind movement	16	16	15	14	14	15	14	15	17	19	21	19
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 6:57 Character, Cloudy. Moonrise: 10:33p

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	48	50	50	49	49	47 RB 5:40	48	47	49	47 RE DNP	39	35
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	1.0	1.0	0.8	0.1	0							
Wind direction	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	17	20	19	21	21	19	18	19	18	22	24	17
Maximum velocities (exceeding 29 miles) direction and time											32 SW 10:30	

Sunset: Time, 4:13 Character, Cloudy. Moonset: 10:45a

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	35	42	

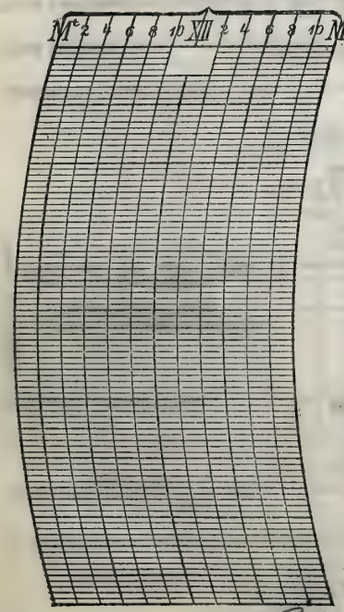
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 3.7 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 40
Prevailing wind direction, SW Total wind 430
Average hourly velocity, 17.9 Extreme velocity, 43
Maximum velocity, 32 Direction, SW
Time began, 10:30 p.m.
Reduced barometer, 29.91 7 a. m. 29.72 7 p. m.
River gage, 3.2 Feet
Relative humidity, 82 7 a. m. 90 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

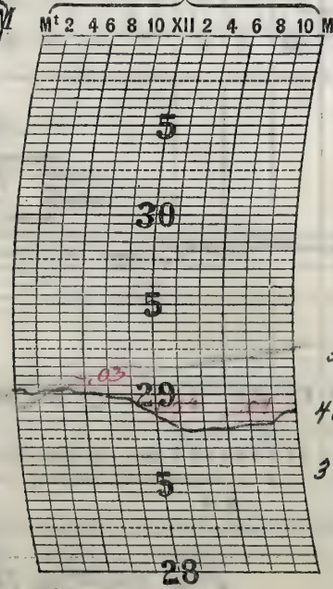
OBSERVATIONS AT ~~12 NOON~~. 12:38 P.M.
(Local Mean Time.)

Dry temperature, 45.8 Wet temperature, 41.3
Dew-point, 36 R. humidity, 69 V. pressure, .211
Clouds: Amount, 8 W; Kind, 3 AST; Direction, SW
Velocity of clouds (miles per hour)

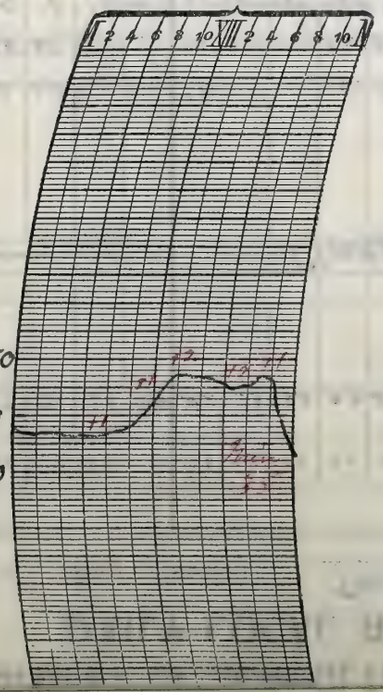
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special one p.m. (75th Meridian Time) observation called for by Central Office.

The following warning was received at 2:45 p.m.:- Cold wave; temperature will fall decidedly during the next 36 hours. The information was telephoned to all interested parties.

Prepared by C. C. Schick

Verified by J. M. Donovan

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Saturday, (Date) DEC 13 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	27	24	21	19	17	17	17	17	17	19	19
State of weather: Nature of precipitation and time of beginning and ending				S4B DIVA								B8E 11:52
Amounts of precipitation				—	—	—	—	—	—	—	—	—
Cloudiness and other conditions	← Cloudy											
Sunrise: Time, Character,	6:58 Cloudy											
Moonrise:	11:36p											
Sunshine (in tenths of hours)							0	0	0	0	0	0.4
Wind direction	W	W	W	W	W	W	W	W	W	NW	NW	NW
Wind movement	19	19	18	15	15	12	10	10	12	12	12	13

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	19	20	19	19	19	20	19	19	18	17	15	14
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											?
Sunset: Time, Character,									4:13 Cloudy			
Moonset:									11:15a			
Sunshine (in tenths of hours)	0.6	0.3	0	0	0							
Wind direction	NW	W	NW	NW	W	NW	NW	NW	NW	NW	NW	W
Wind movement	11	11	11	12	11	12	11	11	10	11	12	11

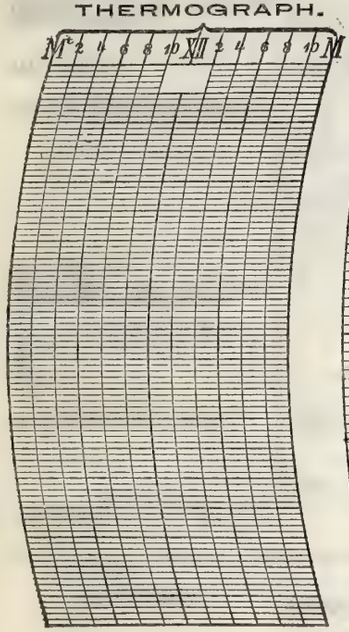
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	14	24	✓

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.3 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 14
Prevailing wind direction, W+NW Total wind 301
Average hourly velocity, 12.5 Extreme velocity, 27
Maximum velocity, 26 Direction, W
Time began, 1:28am
Reduced barometer, 30.03 7a. m. 30.14 7p. m.
River gage, 3.4 Feet
Relative humidity, 71 7a. m. 72 7p. m.

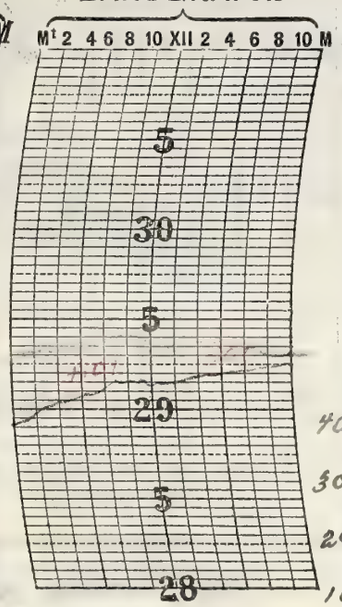
OBSERVATIONS AT ~~12 NOON.~~ 12:38pm
(Local Mean Time.)
Dry temperature, 19.3 Wet temperature, 18.0
Dew-point, 15 R. humidity, 80 V. pressure, .081
Clouds: Amount, 9; Kind AST; Direction, SW.
Velocity of clouds (miles per hour)

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

THERMOGRAPH.



BAROGRAPH.



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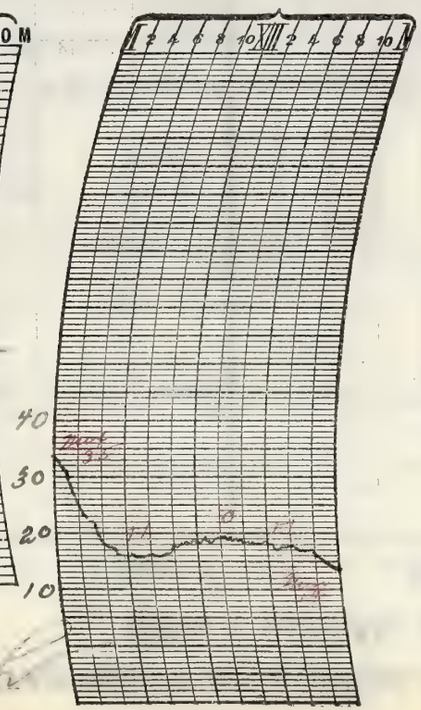


NOTES.

Prepared by C. A. Schuck
Verified by C. M. Kimmright

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 14 1919, 191

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	13	10	8	7	5	5	5	5	7	9	11	13
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?				Clear							
Sunrise: Time, Character, Moonrise:	6:58 Cloudy —						Sunshine from 7:15					
Sunshine (in tenths of hours)							0	0 (0.8)	0.4	1.0	1.0	1.0
Wind direction	W	W	W	W	W	W	SW	SW	SW	SW	W	W
Wind movement	11	13	15	12	13	12	9	10	13	13	14	16
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	15	15	16	16	15	15	15	15	15	15	15	16
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunset: Time, Character, Moonset:									4:13 Clear 11:54a			
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.4 (0.4)	0 (2.2)							
Wind direction	W	W	W	W	W	SW	SW	SW	SW	SW	SW	SW
Wind movement	17	18	19	16	14	11	10	14	18	15	16	17
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
16	5	10	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, L.Q. 12:02 am
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 9.0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 98
Prevailing wind direction, W Total wind 336
Average hourly velocity, 14.0 Extreme velocity, 25
Maximum velocity, 23 Direction, SW
Time began, 8:42 pm
Reduced barometer, 30.34 7 a. m. 30.30 7 p. m.
River gage, 3.3 FEET
Relative humidity, 89 7 a. m. 53 7 p. m.

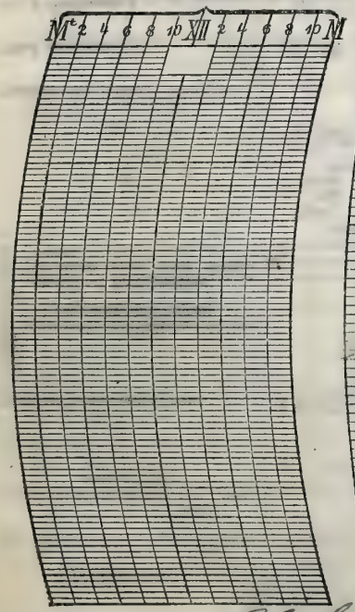
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

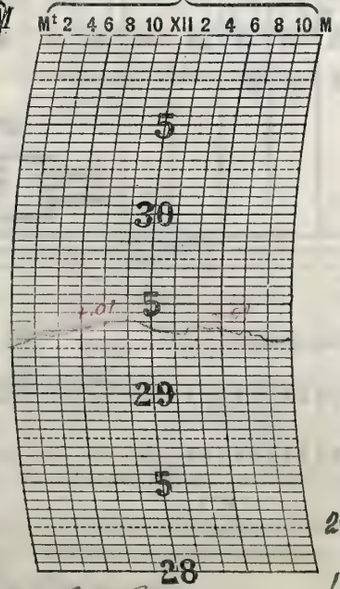
OBSERVATIONS AT ~~12 NOON~~ 12:38 pm
(Local Mean Time.)

Dry temperature, 12.0 Wet temperature, 9.0
Dew-point, -5 R. humidity, 41 V. pressure, .029
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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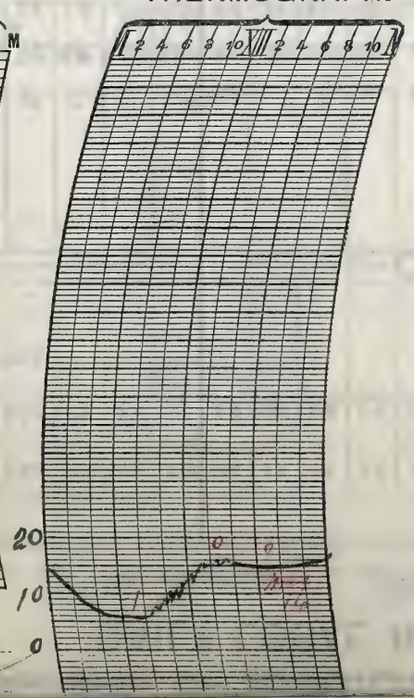


NOTES.

A clear and cold day with moderate northwest to west winds.

Prepared by C. A. Schick
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Monday, (Date) DEC 15 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	17	16	15	14	14	13	12	11	11	12	13	14
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)							0	0.2 0	0.5 0.5	1.0	1.0	1.0
Wind direction	SW	W	W	W	W	W	W	W	W	W	W	W
Wind movement	18	17	16	15	15	17	16	19	17	19	20	22

Sunrise: Time, 6:59 Character, Cloudy. Moonrise: 12:37a. Sunshine from 7:45.

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	15	15	14	12	12	11	11	10	10	9	9	9
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)	1.0	1.0	0.4 0.6	1.0 0	.23 0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	SW
Wind movement	25	19	20	18	15	13	10	13	12	11	11	9

Sunset: Time, 4:14 Character, Clear. Moonset: 12:22p.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

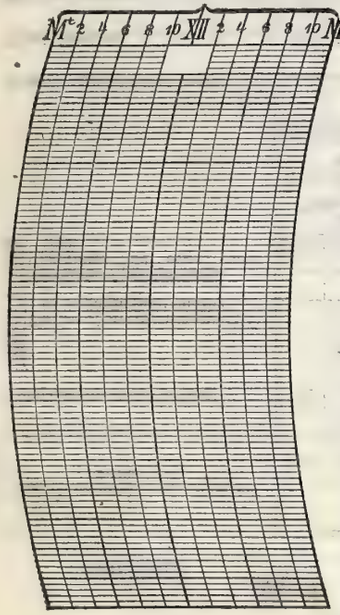
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
17	9	13	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 8.4 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 91
Prevailing wind direction, W. Total wind 389
Average hourly velocity, 16.2 Extreme velocity, 31
Maximum velocity, 28 Direction, W
Time began, 12:07 pm.
Reduced barometer, 30.55 7 a. m. 30.50 7 p. m.
River gage, 3.0 Feet
Relative humidity, 88 7 a. m. 59 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 1:38 pm
(Local Mean Time.)

Dry temperature, 14.6 Wet temperature, 12.2
Dew-point, 4 R. humidity, 57 V. pressure, 047
Clouds: Amount, 1; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



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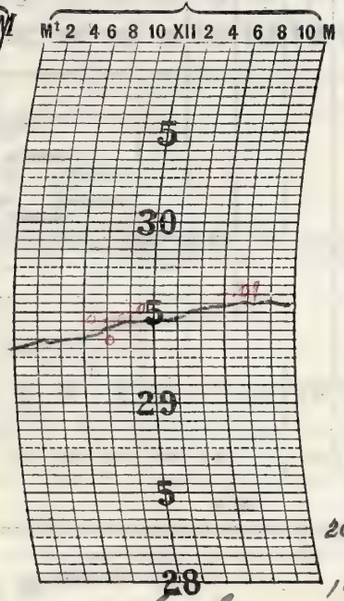
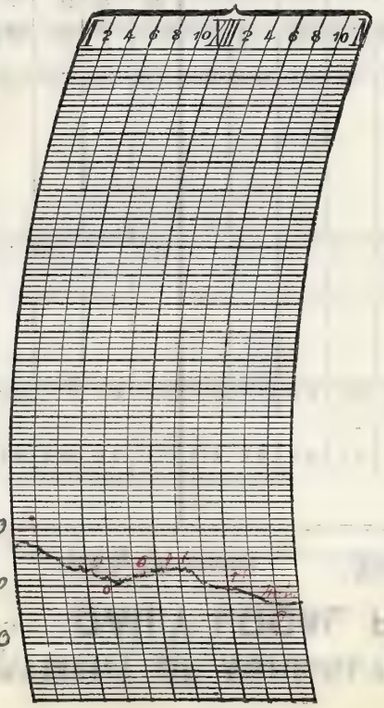


THERMOGRAPH.



NOTES.

Special noon (75th Meridian Time) observation called for by Central Office.
A clear and cold day with moderate west winds.

Prepared by E. A. Schick
Verified by F. M. Konzen

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 16 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	8	8	8	8	8	9	10	12	14	17	18	20	22	23	21	20	20	20	20	18	17	18	18	13
																			SdB 6:30					SdE DNP
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																			—	—	—	—	—	—
Cloudiness and other conditions					Clear				Pt. Cloudy									Cloudy						
Sunrise: Time, Character,	7:00 Clear																				Sunset: Time, Character,	4:14 Cloudy		
Moonrise:	1:36 a																				Moonset:	12:41 p		
Sunshine (in tenths of hours)								0	0	0	0	0	0.9	0.6	0	0	0							
Wind direction	W	W	W	W	SW	SW	SW	SW	SW	S	S	SW	SW	SW	W	N	NW	NW	NW	NW	NW	NW	W	W
Wind movement	9	8	5	6	7	9	6	6	6	8	9	7	7	5	6	4	7	7	9	9	7	8	7	8
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

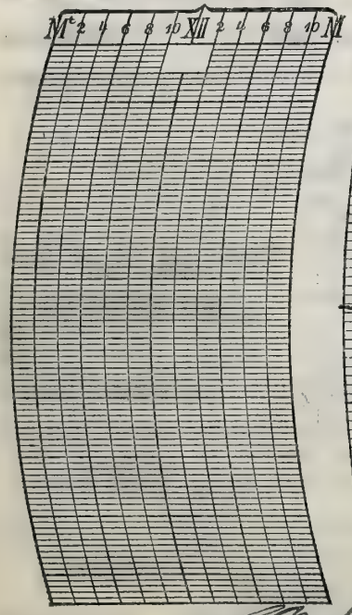
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
24	7	16.5	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 3.0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 33
Prevailing wind direction, SW Total wind 120
Average hourly velocity, 7.1 Extreme velocity, 12
Maximum velocity, 12 Direction, NW
Time began, 7:05 pm.
Reduced barometer, 30.43 7 a. m. 30.22 7 p. m.
River gage, 3.0 FEET.
Relative humidity, 43 7 a. m. 56 7 p. m.

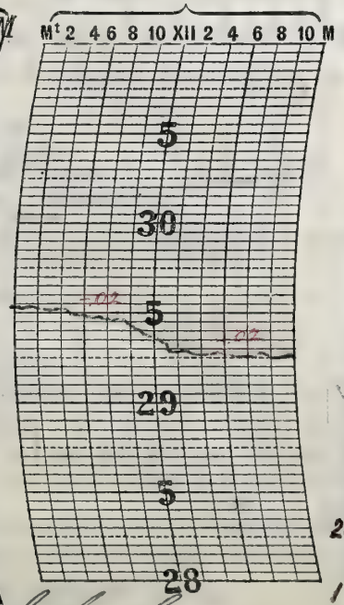
OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)

Dry temperature, 21.6 Wet temperature, 17.1
Dew-point, 2 R. humidity, 38 V. pressure, .042
Clouds: Amount, 4; Kind, ACu.; Direction, N.W.
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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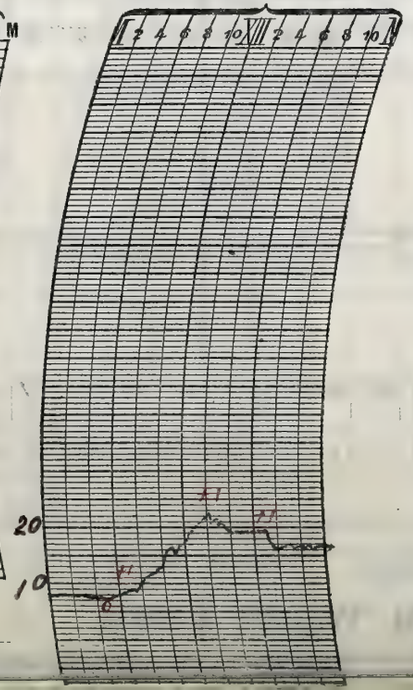


NOTES.

Prepared by A. A. Schick

Verified by J. M. Donovan

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Wednesday, (Date) DEC 17 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	17	14	13	11	11	11	11	11	11	11	11	11
Nature of precipitation and time of beginning and ending								Sq B 7:30	Sq E 8:20			
Amounts of precipitation								—	—			
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	7:01 Cloudy											
Moonrise:	2:35a											
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	NW	NW	N	N	N	N	N	N	NE	NE	NE	NE
Wind movement	11	11	9	9	8	8	6	6	5	7	6	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	11	12	12	11	10	11	10	10	10	9	9	9
Nature of precipitation and time of beginning and ending								Sq B 7:02				
Amounts of precipitation								—	—	—	—	—
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									4:14 Cloudy			
Moonset:									1:13p			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NE	NE	NE	E	E	E	E	E	SE	SE	E	E
Wind movement	5	7	4	5	6	6	4	5	5	6	6	7

State of weather.

Maximum velocities (exceeding 22 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

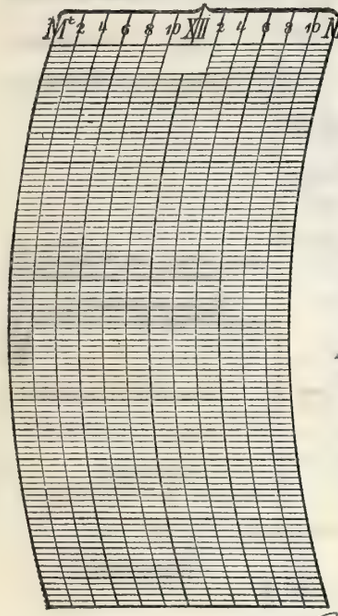
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
18	9	14	

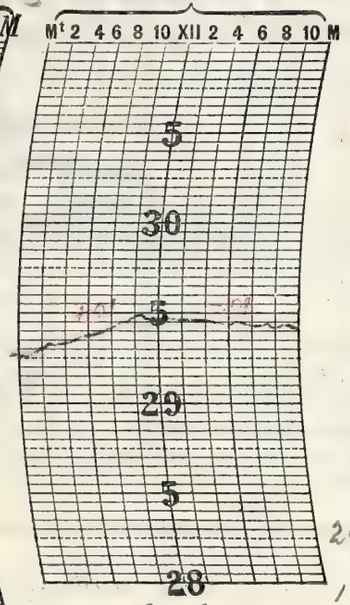
Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow, sleet, and hail on ground 7 p. m., 0.1 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, NE + E Total wind 158
Average hourly velocity, 6.6 Extreme velocity, 18
Maximum velocity, 17 Direction, N
Time began, 12:45 am
Reduced barometer, 30.36 7 a. m. 30.42 7 p. m.
River gage, 3.1 Feet
Relative humidity, 53 7 a. m. 74 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 pm
(Local Mean Time.)
Dry temperature, 11.5 Wet temperature, 9.0
Dew-point, -2 R. humidity, 49 V. pressure, .034
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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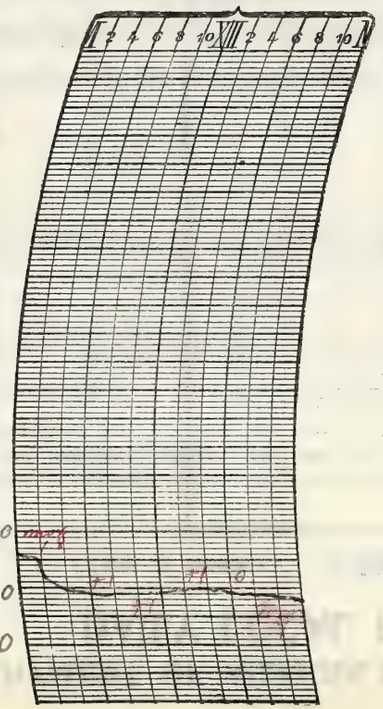


NOTES.

Cold and cloudy day

Prepared by C. C. Schick
Verified by J. M. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 1 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	9	9	9	9	9	9	9	10	10	11	12	14
State of weather: Nature of precipitation and time of beginning and ending		S 8 DNA						S 7:14				
Amounts of precipitation	—	—						—	—	—	—	—
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	7:01 Cloudy											
Moonrise:	3:33a											
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	7	9	9	8	9	9	8	8	11	10	11	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	14	15	15	15	15	14	14	14	14	14	14	14
State of weather: Nature of precipitation and time of beginning and ending												S 7 E DNO
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									4:15 Cloudy			
Moonset:									1:47p.			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	E	E	NE	NE	E	E	E	E	E	E	E	NE
Wind movement	9	12	12	12	11	12	12	12	14	15	12	12

Maximum velocities (exceeding 29 miles) direction and time.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
15	9	12	

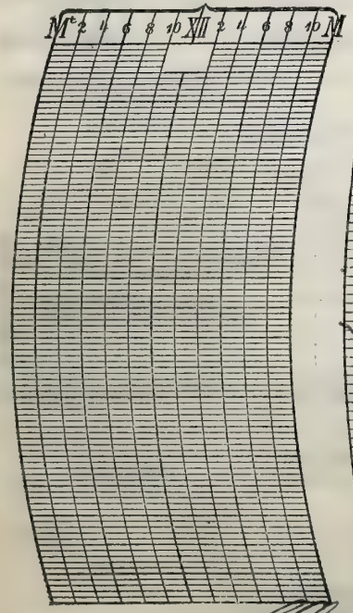
Total depth of snow for 24 hours ending 7 p. m., 0.8 inches.
Snow, sleet, and hail on ground 7 p. m., 0.9 inches.
Total snowfall, midnight to midnight, 0.8 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .06 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 252
Average hourly velocity, 10.5 Extreme velocity, 17
Maximum velocity, 17 Direction, E
Time began, 8:43 pm
Reduced barometer, 30.28 7 a. m. 30.20 7 p. m.
River gage, 3.0 Feet
Relative humidity, 69 7 a. m. 90 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

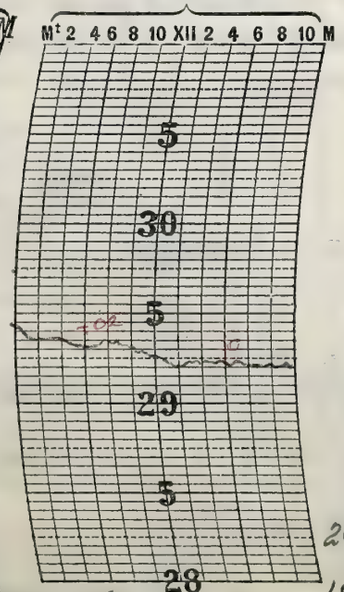
OBSERVATIONS AT ~~12 NOON.~~ 12:38 pm
(Local Mean Time.)

Dry temperature, 12.2 Wet temperature, 12.0
Dew-point, 11 R. humidity, 96 V. pressure, .066
Clouds: Amount, 10; Kind, Nb; Direction, E
Velocity of clouds (miles per hour)

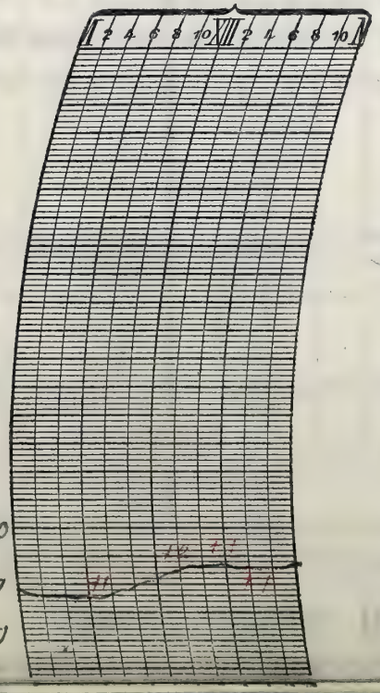
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by C. L. Schick.
Verified by P. McDonough

Phot for 23 hrs.

NOTES.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Friday, (Date) DEC 19 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	14	14	14	14	14	15	16	16	17	18	20	21
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy										*Pt Cldy*	
Sunshine (in tenths of hours)								0	0	0	0	0.7
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	N
Wind movement	11	12	12	12	10	11	7	12	10	10	9	10

Sunrise: Time, 7:02 Character, Cloudy. Moonrise: 4:29a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	22	22	22	21	19	19	19	18	17	16	12	12
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunshine (in tenths of hours)	1.0	1.0	0.8	0	0							
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E
Wind movement	8	10	7	8	5	3	3	4	2	2	3	2

Sunset: Time, 4:15 Character, Clear. Moonset: 2:26p

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

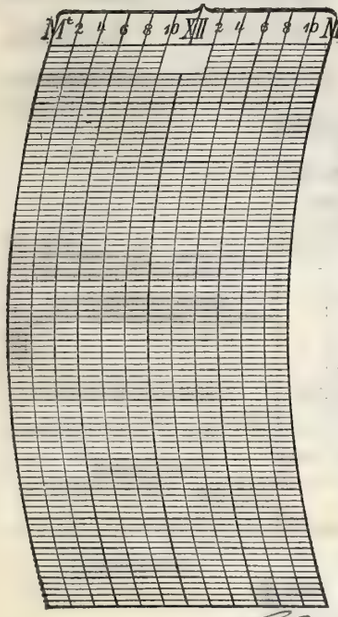
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
22	12	17	

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow, sleet, and hail on ground 7 p. m., 0.6 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.1 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 5.0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 54
Prevailing wind direction, NE Total wind 183
Average hourly velocity, 7.6 Extreme velocity, 16
Maximum velocity, 15 Direction, NE
Time began, 12:47am
Reduced barometer, 30.16 7 a. m. 30.34 7 p. m.
River gage, 2.8 Feet.
Relative humidity, 76 7 a. m. 57 7 p. m.

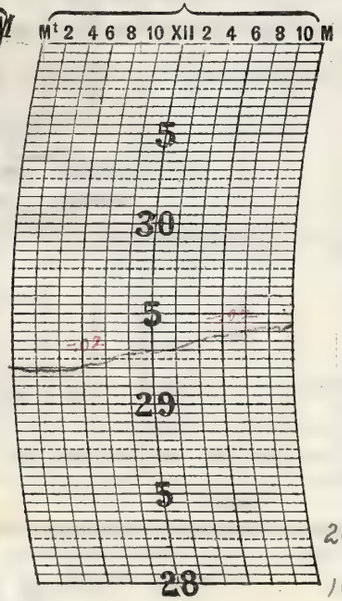
OBSERVATIONS AT ~~12 NOON.~~ 12:38pm
(Local Mean Time.)

Dry temperature, 20.8 Wet temperature, 18.0
Dew-point, 10 R. humidity, 60 V. pressure, .063
Clouds: Amount, 1 Lt; Kind, St Haze; Direction, NW
Velocity of clouds (miles per hour)

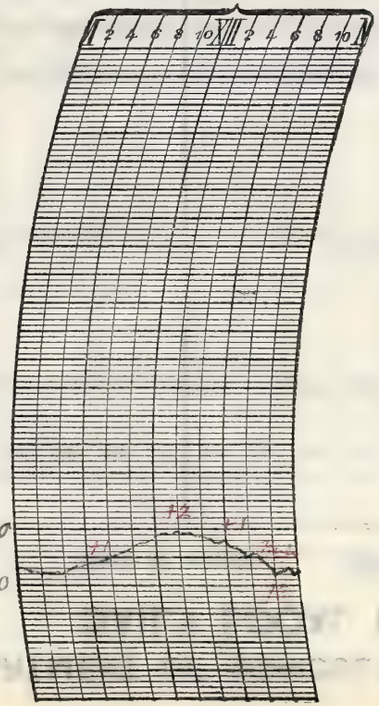
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light haze observed from 11:52am. till 13:40pm

Prepared by E. A. Schick
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 20 1919, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	12	12	13	11	13	13	13	16	18	20	24	27
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Clear											
Sunrise: Time, Character,	7:02 Clear											
Moonrise:	5:22a											
Sunshine (in tenths of hours)								0	0.2	0.9	1.0	1.0
Wind direction	E	E	E	SE	S	S	S	S	S	S	S	S
Wind movement	2	1	2	4	4	5	5	5	7	8	8	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	29	28	28	27	26	27	26	25	24	23	22
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	* Pt. Cloudy *					Cloudy → Pt. Clear ?						
Sunset: Time, Character,									4:15 Cloudy			
Moonset:									3:08p			
Sunshine (in tenths of hours)	0.7	0.2	0.3	0	0							
Wind direction	S	S	S	SE	SE	SE	S	S	S	S	S	S
Wind movement	5	6	4	4	2	3	3	6	4	5	5	5

Maximum velocities (exceeding 22 miles) direction and time.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
29	10	20	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.2 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 6.1 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 66
Prevailing wind direction, S Total wind 109
Average hourly velocity, 4.5 Extreme velocity, 11
Maximum velocity, 11 Direction, SW
Time began, 10:42 am
Reduced barometer, 30.43 7a. m. 30.31 7p. m.
River gage, 2.7 Feet.
Relative humidity, 49 7a. m. 65 7p. m.

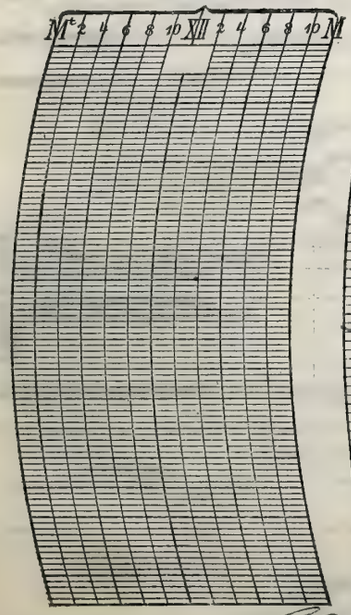
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

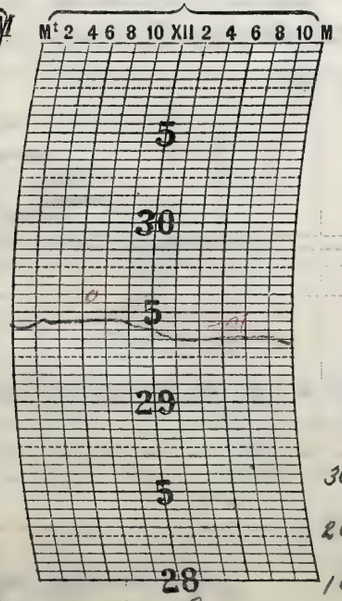
OBSERVATIONS AT ~~12 NOON~~ 12:30 pm
(Local Mean Time.)

Dry temperature, 26.7 Wet temperature, 22.8
Dew-point, 14 R. humidity, 54 V. pressure, .077
Clouds: Amount, 2; Kind, Ast; Direction, NW
Velocity of clouds (miles per hour)

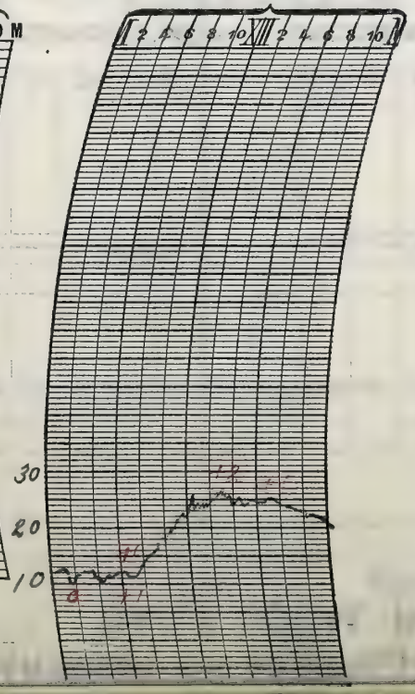
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Although the day as a whole was cloudy and the temperature was low for the season, the wind was light making it a fairly pleasant day to be out and the streets were thronged with Xmas shoppers.

Prepared by C. A. Schick
Verified by F. M. Donough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 21 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	21	20	19	19	19	18	18	19	21	25	28	29	28	26	25	25	26	26	26	26	26	26	26	26
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	?				Clear					Pt. Cloudy							Cloudy							
Sunrise: Time, Character,	7:03 Clear																				Sunset: Time, Character,	4:16 Cloudy		
Moonrise:	6:12a																				Moonset:	3:56p		
Sunshine (in tenths of hours)								.95 0	1.0 0	0.8 0.2	1.0	1.0	0.7	0.9	0.1	0	0							
Wind direction	S	S	S	S	S	S	S	S	S	SW	SW	SW	W	W	W	W	W	W	W	W	NW	NW	W	W
Wind movement	5	4	5	5	4	4	3	3	4	6	4	4	6	8	8	7	7	6	5	4	3	3	3	4
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

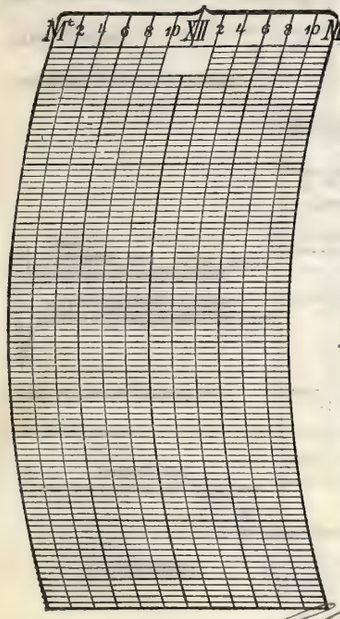
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
30	18	24	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.1 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 6
Actual sunshine, hours, 6.6 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 72
Prevailing wind direction, W Total wind 115
Average hourly velocity, 4.8 Extreme velocity, 10
Maximum velocity, 10 Direction, W
Time began, 2:35 p.m.
Reduced barometer, 30.31 7 a. m. 30.30 7 p. m.
River gage, 2.6 Feet
Relative humidity, 76 7 a. m. 88 7 p. m.

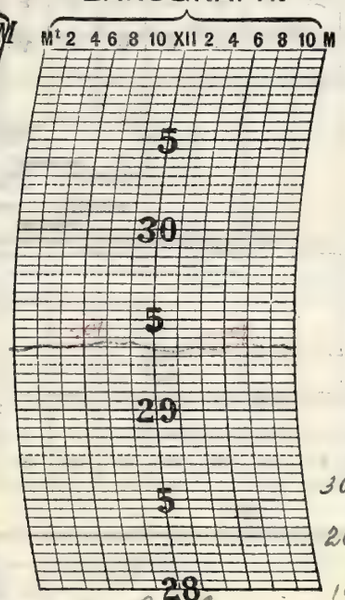
OBSERVATIONS AT 12 ~~NOON~~. 12:38 p.m.
(Local Mean Time.)

Dry temperature, 30.0 Wet temperature, 26.0
Dew-point, 18 R. humidity, 57 V. pressure, .093
Clouds: Amount, 6; Kind Cu; Direction, NW.
Velocity of clouds (miles per hour)

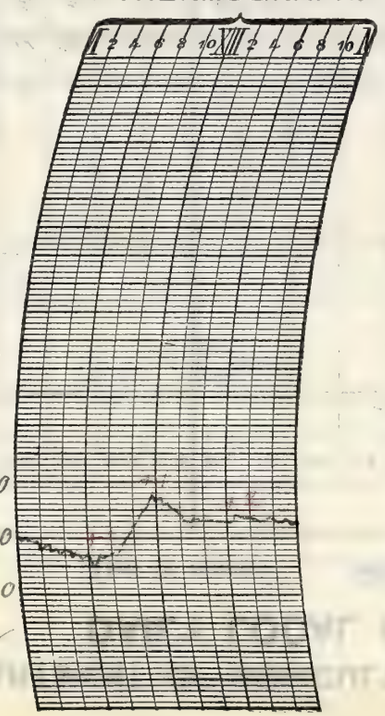
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by C. E. Schuch
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 22 1919, 191

Time (local standard), 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	25	25	25	24	24	23	23	22	22	23	22	23
Nature of precipitation and time of beginning and ending					S4B DNA							
Amounts of precipitation					—	—	—	—	—	—	—	—
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	NW	W	W	W	W	W	W	NW	W	NW	SW	SW
Wind movement	4	3	5	4	5	4	4	5	3	3	5	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	25	25	25	25	25	26	26	25	25	24	24
Nature of precipitation and time of beginning and ending	S4E 12:07											
Amounts of precipitation	—											
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	SW
Wind movement	5	4	4	4	4	5	4	5	3	4	4	5

State of weather.

Sunrise: Time, 7:03 Character, Cloudy
Moonrise: 6:59a

Sunset: Time, 4:16 Character, Cloudy
Moonset: 4:49p

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts.

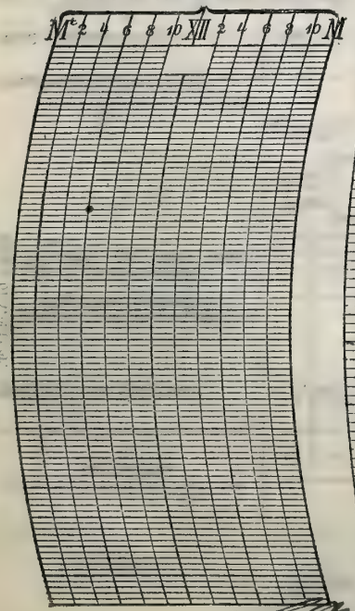
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
26	22	24	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground, 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, NEW 4:55a
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 101
Average hourly velocity, 4.2 Extreme velocity, 7
Maximum velocity, 7 Direction, S
Time began, 11:38 am.
Reduced barometer, 30.28 7 a. m. 30.23 7 p. m.
River gage, 2.6 Feet.
Relative humidity, 100 7 a. m. 82 7 p. m.

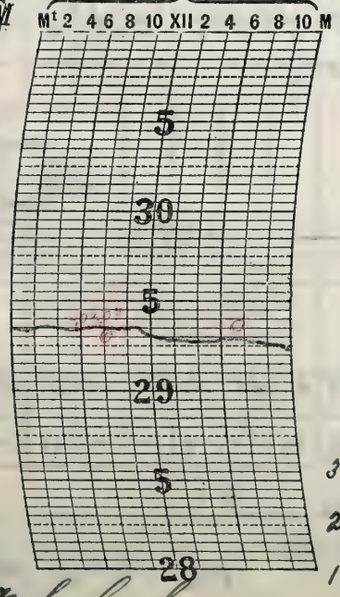
OBSERVATIONS AT ~~12 NOON.~~ 12:38 P.M.
(Local Mean Time.)

Dry temperature, 23.1 Wet temperature, 23.0
Dew-point, 23 R. humidity, 99 V. pressure, .118
Clouds: Amount, 10; Kind, ST Lt Fog; Direction, W.
Velocity of clouds (miles per hour)

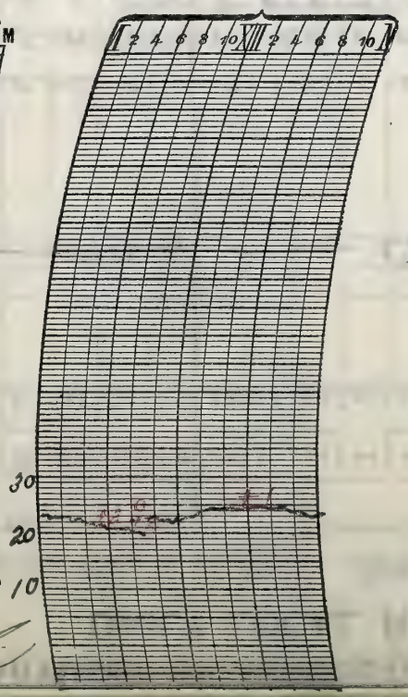
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Winter solstice (winter commences) 3:27 pm., this date.
Lt. fog began 7:16 am. and continued ~~until~~ throughout the day ending at 6:10 pm.

Prepared by C. C. Schick
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Tuesday, (Date) DEC 23 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	23	24	23	23	22	23	23	23	24	24	25	25
State of weather. Nature of precipitation and time of beginning and ending												SMB 11:45 SME 11:55
Amounts of precipitation												T
Cloudiness and other conditions	Cloudy						Foggy					
Sunrise: Time, Character,	7:04 Foggy											
Moonrise:	7:41 a											
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW
Wind movement	4	5	5	4	4	5	4	5	5	5	6	6

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	26	26	27	27	26	26	26	27	28	29	30	31
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									4:17 Cloudy			
Moonset:									5:44 p			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	W	W	W	W	W	W	W	W	NW	NW
Wind movement	7	8	8	7	8	8	7	6	6	7	8	9

Maximum velocities (exceeding 29 miles) direction and time

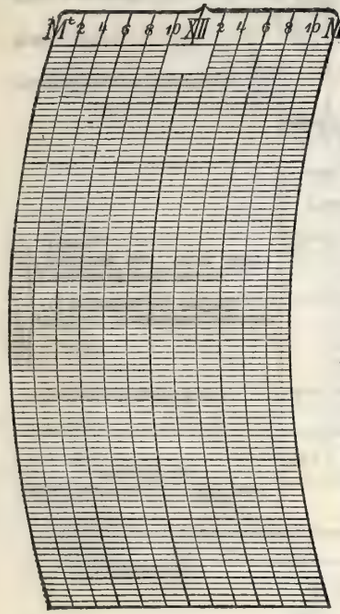
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
31	22	26	

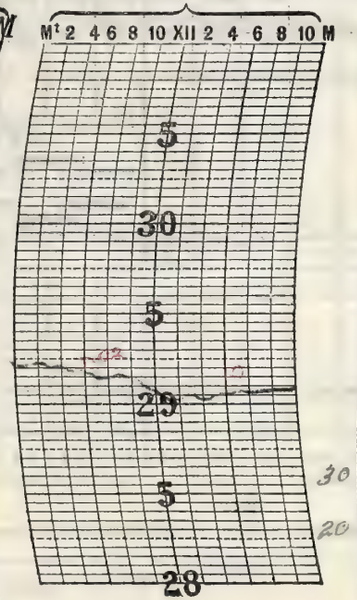
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 147
Average hourly velocity, 6.1 Extreme velocity, 10
Maximum velocity, 10 Direction, SW
Time began, 1:19 pm
Reduced barometer, 30.08 7 a. m. 30.01 7 p. m.
River gage, 2.6 Feet
Relative humidity, 90 7 a. m. 94 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 p
(Local Mean Time.)
Dry temperature, 25.2 Wet temperature, 24.7
Dew-point, 24 R. humidity, 94 V. pressure, .124
Clouds: Amount, 10; Kind, St Fog; Direction, SW
Velocity of clouds (miles per hour)

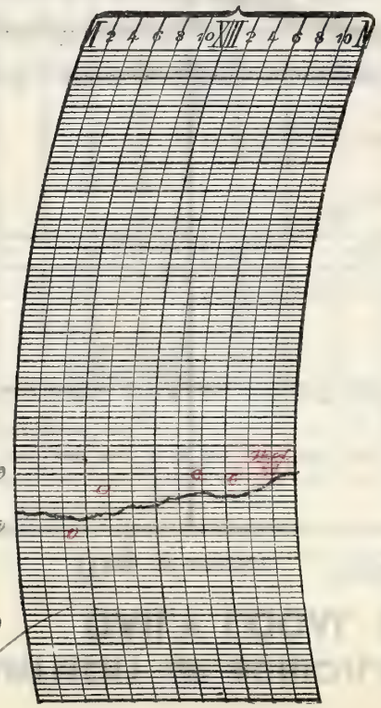
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light fog began DNA and changed to dense fog at 6:20 am, the dense fog ending at 10:30 am and light fog continued until D.N.A.

Prepared by C. A. Schick
Verified by C. M. Donnegh

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 24 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	31	31	29	28	27	26	25	24	24	23	22	22
State of weather: Nature of precipitation and time of beginning and ending											SW 13 10:45	SE 11:10
Amounts of precipitation											—	—
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)								0	0	0	0	0.4
Wind direction	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	ø 10	ø 12	ø 12	ø 12	ø 12	ø 12	ø 12	12	12	11	11	10

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	22	20	20	19	17	16	16	15	15	15	12	13
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt. Cldy						Clear					
Sunshine (in tenths of hours)	ø 0.2	0.2	1.0	0.8 0.2	0.30 0							
Wind direction	ø N	N	N	N	N	N	N	NW	N	N	NW	W
Wind movement	ø 10	10	10	10	8	7	5	4	4	2	5	6

Sunrise: Time, 7:04 Character, Cloudy
Moonrise: 8:22a

Sunset: Time, 4:18 Character, Clear
Moonset: 6:42p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

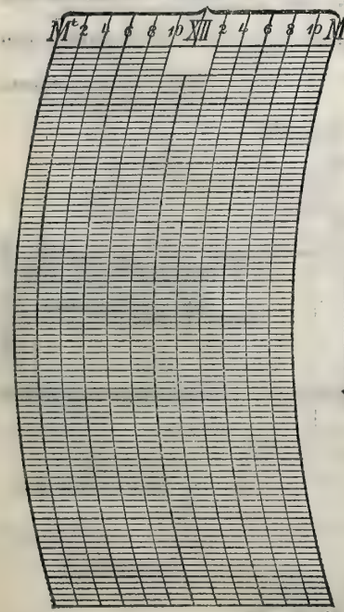
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
31	12	22	

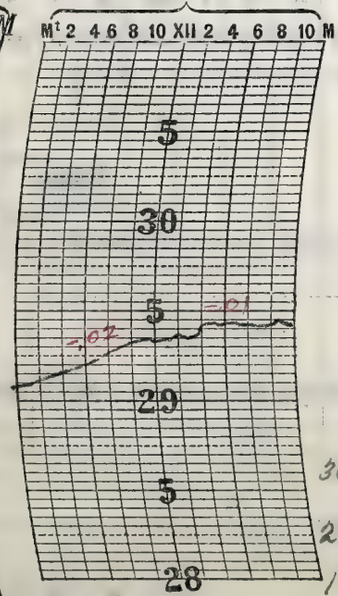
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 6
Actual sunshine, hours, 3.1 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 34
Prevailing wind direction, N Total wind 210
Average hourly velocity, 4 Extreme velocity,
Maximum velocity, 15 Direction, N
Time began, 8:49 a.m.
Reduced barometer, 30.21 7 a. m. 30.40 7 p. m.
River gage, 2.5 Feet
Relative humidity, 66 7 a. m. 76 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12:38 p.m.
(Local Mean Time.)
Dry temperature, 22.5 Wet temperature, 19.5
Dew-point, 12 R. humidity, 60 V. pressure, .070
Clouds: Amount, 8; Kind, Cu.; Direction, N.
Velocity of clouds (miles per hour)

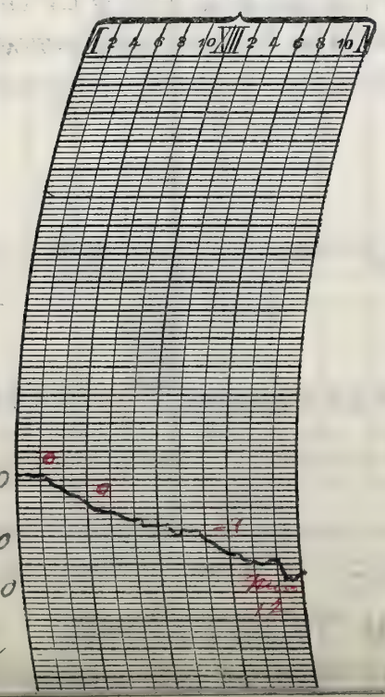
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



ø Estimated.
⁂ Prop. ~16 hrs + 38 min

NOTES.

Prepared by E. Welchis
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Thursday, (Date) Dec 7, 1910, 191

Time (local standard). 76 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	13	12	12	11	11	11	10	10	16	20	24	26	27	28	28	28	27	26	26	24	25	27	28	24
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Clear												→ Pt. Cloudy											?
Sunrise: Time, 7:05 Character, Cloudy																					Sunset: Time, 4:18 Character, Cloudy			
Moonrise: 8:54a																					Moonset: 7:42p			
Sunshine (in tenths of hours)								0	0	1.0	1.0	1.0	0.8	0.1	0	0	0							
Wind direction	W	W	W	W	W	W	S	S	SW	SW	SW	SW	SW	SW	S	S	S	S	S	S	S	SW	SW	SW
Wind movement	3	4	5	3	3	4	3	5	6	9	12	11	9	8	9	11	11	11	12	14	14	13	18	19
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

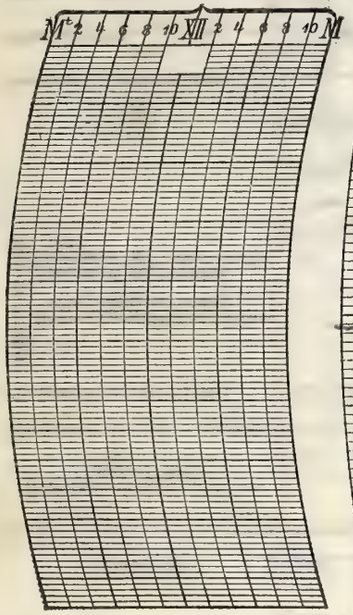
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
29	9	19	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 5 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 3.9 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 42
Prevailing wind direction, S. & SW. Total wind 217
Average hourly velocity, 9.0 Extreme velocity, 26
Maximum velocity, 24 Direction, SW.
Time began, 11:19 p.m.
Reduced barometer, 30.36 7 a. m. 30.04 7 p. m.
River gage, 2.4 Fall
Relative humidity, 57 7 a. m. 76 7 p. m.

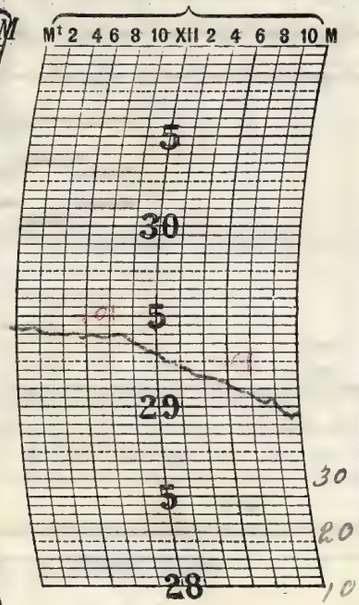
OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)

Dry temperature, 25.0 Wet temperature, 22.0
Dew-point, 15 R. humidity, 63 V. pressure, .081
Clouds: Amount, 3; Kind, Cu; Direction, NW.
Velocity of clouds (miles per hour)

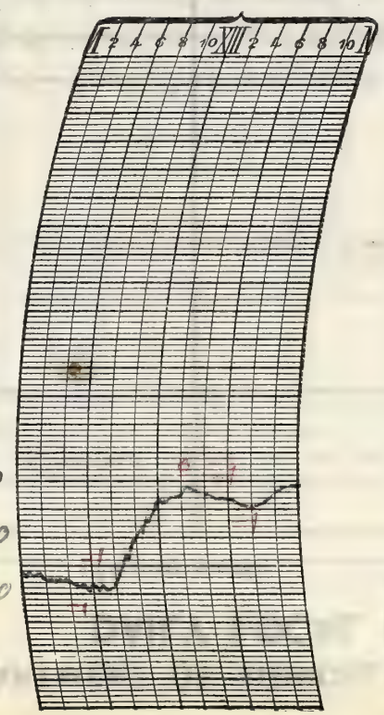
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by W. G. Clough
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 26 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	30	31	30	30	30	30	32	31	33	34	36
State of weather: Nature of precipitation and time of beginning and ending								RB 7:25		RS 9:40		
Amounts of precipitation												
Cloudiness and other conditions	?					Cloudy						
Sunrise: Time, Character,	7:05 Cloudy											
Moonrise:	9:26a											
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	12	17	17	17	20	17	16	18	16	16	16	18
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	36	35	35	36	36	36	34	35	35	34	33
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Cloudy						
Sunset: Time, Character,									4:19 Cloudy			
Moonset:									8:44p			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	W	W	W	SW	SW	SW	SW	W	SW	SW	W
Wind movement	16	15	14	13	15	15	16	21	19	14	14	15
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	29	33	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 2 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, SW. Total wind 394
Average hourly velocity, 16.4 Extreme velocity, 27
Maximum velocity, 26 Direction, W
Time began, 2:09 pm.
Reduced barometer, 29.82 a. m. 29.83, p. m.
River gage, 2.4 Fall
Relative humidity, 95 7 a. m. 75 p. m.

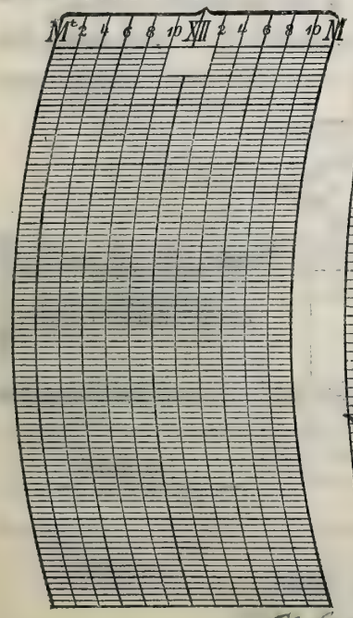
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

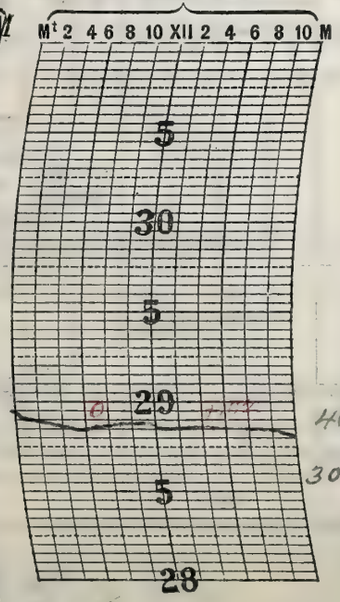
OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)

Dry temperature, 36.2 Wet temperature, 33.7
Dew-point, 30 R. humidity, 78 V. pressure, .164
Clouds: Amount, 3; Kind, Ast; Direction, W.
Velocity of clouds (miles per hour)

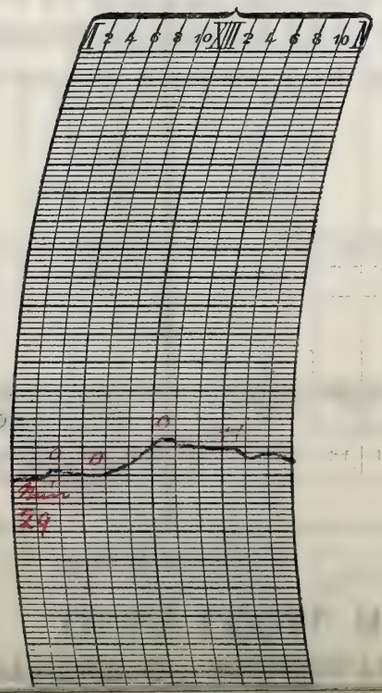
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cold and Cloudy day.

Prepared by E. Schick.
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 27 1913, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	31	31	31	30	30	30	30	30	30	31	31
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunrise: Time, 7:05 Character, Cloudy												
Moonrise: 9:55a												
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	SW	SW	SW	SW	W	W	W	W	W	W	W	W
Wind movement	16	16	17	16	15	15	14	15	16	13	15	16

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	32	32	31	32	32	32	31	30	30	29
State of weather: Nature of precipitation and time of beginning and ending										8:45 9:00 SE 10:00		
Amounts of precipitation										–		
Cloudiness and other conditions	Cloudy											
Sunset: Time, 4:19 Character, Cloudy												
Moonset: 9:46p												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	W	W	W	W	W	W	W	W	W	N	N	N
Wind movement	15	13	13	12	9	7	7	8	6	7	6	6

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	29	32	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.2

Per cent of possible sunshine, 0

Prevailing wind direction, W Total wind 293

Average hourly velocity, 12.2 Extreme velocity, 23

Maximum velocity, 22 Direction, SW

Time began, 8:05am

Reduced barometer, 29.71 7 a. m. 29.78, p. m.

River gage, 25 Feet

Relative humidity, 84 7 a. m. 95 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 1238pm
(Local Mean Time.)

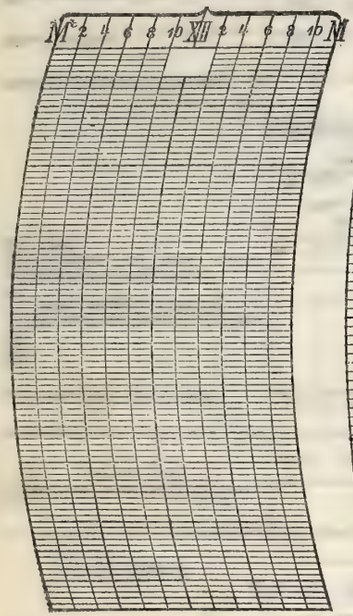
Dry temperature, 31.0 Wet temperature, 28.5

Dew-point, 24 R. humidity, 74 V. pressure, .124

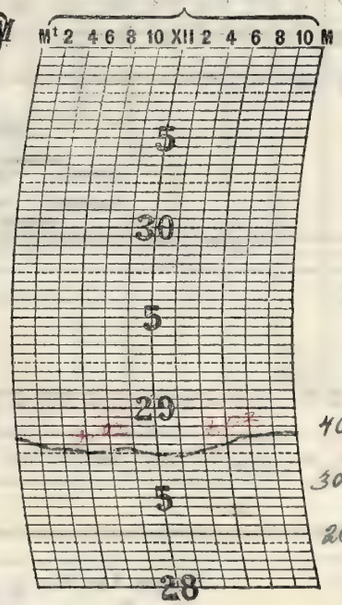
Clouds: Amount, 10; Kind, St; Direction, W

Velocity of clouds (miles per hour)

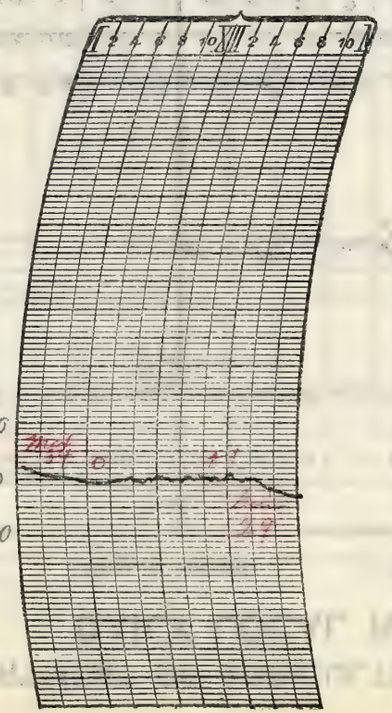
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by E. W. Schick

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 28 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	27	26	25	23	23	22	22	22	22	21	21
State of weather: Nature of precipitation and time of beginning and ending								SP 7:53				SPE 11:55
Amounts of precipitation												
Cloudiness and other conditions					Cloudy							
Sunrise: Time, Character,	7:06 Cloudy											
Moonrise:	10:24a											
Sunshine (in tenths of hours)								0	0	0.2	0.4	0.3
Wind direction	N	N	N	NE	N	N	N	N	NE	NE	N	N
Wind movement	9	7	9	9	8	7	6	7	10	9	8	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	22	22	22	20	20	20	19	18	16	16	18	17
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Pt. Cloudy				Clear				?
Sunset: Time, Character,									4:20 Cloudy			
Moonset:									10:50p			
Sunshine (in tenths of hours)	0.3	0.8	0.7	0.3	0							
Wind direction	N	N	N	N	NE	NE	NE	NE	NE	NE	NE	S
Wind movement	8	7	8	7	6	5	4	4	2	2	2	5

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

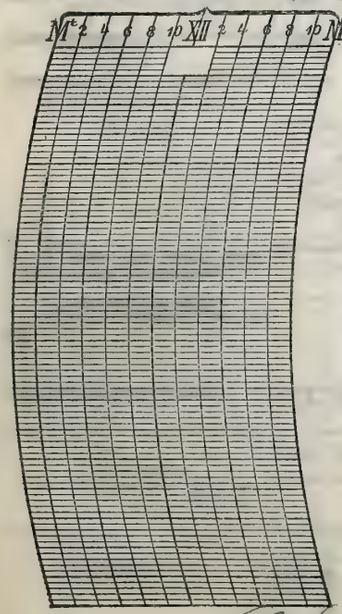
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
29	16	22	

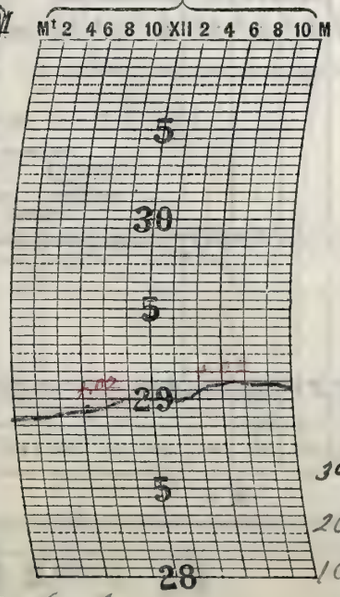
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 3.0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 33
Prevailing wind direction, N. Total wind 157
Average hourly velocity, 6.5 Extreme velocity, 12
Maximum velocity, 12 Direction, N
Time began, 8:32 am
Reduced barometer, 29.92 7 a. m. 30.06 7 p. m.
River gage, 2.4 Feet
Relative humidity, 59 7 a. m. 60 7 p. m.

OBSERVATIONS AT ~~12 NOON.~~ 12:38 p.m.
(Local Mean Time.)
Dry temperature, 22.7 Wet temperature, 18.0
Dew-point, 3 R. humidity, 38 V. pressure, .044
Clouds: Amount, 9; Kind, Strat; Direction, N
Velocity of clouds (miles per hour)

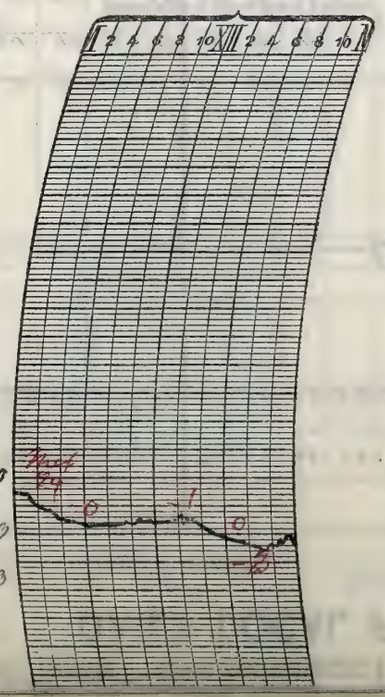
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cold day. The clouds of the morning dissolved partially in the afternoon and the sun shining through the broken clouds brightened the day and was the first sunlight since the 25th of the month.

Prepared by Ella Schick
Verified by A. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 24 1919, 191

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	17	18	20	14	19	18	18	20	23	24	25	26
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?	Pt Cloudy							×			
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	S	SW	S	S	S	S	S	S	SW	SW	SW	SW
Wind movement	5	5	4	6	8	8	8	12	12	14	20	19

Sunrise: Time, 7:06 Character, Cloudy
Moonrise: 10:55a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	27	27	28	30	31	32	33	35	35	34	36
State of weather: Nature of precipitation and time of beginning and ending	SNB 12:05				SNE 4:30							
Amounts of precipitation	—	—	—	—	—							
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	S	SW	SW	SW	SW	SW	W	W	W
Wind movement	21	20	20	23	23	20	23	21	19	19	20	20

Sunset: Time, 4:21 Character, Cloudy
Moonset: 11:55p.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

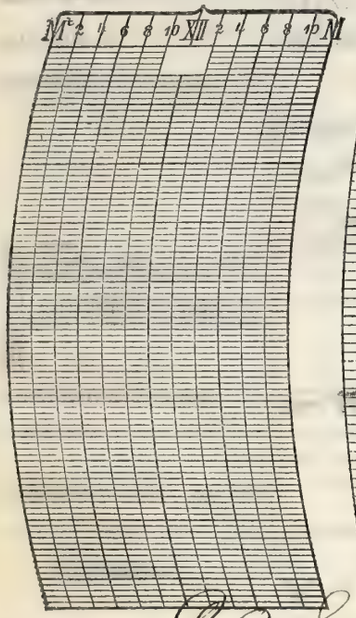
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	17	26	

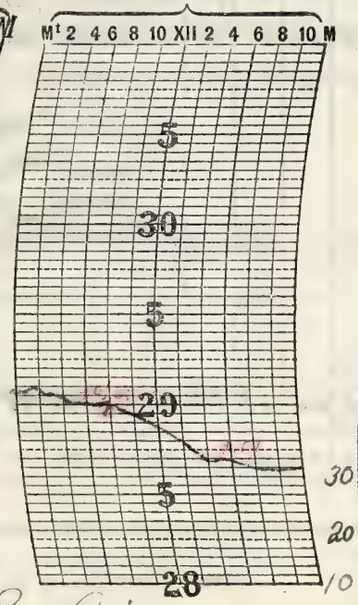
Total depth of snow for 24 hours ending 7 p. m., 0.4 inches.
Snow, sleet, and hail on ground 7 p. m., 0.4 inches.
Total snowfall, midnight to midnight, 0.4 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m. 0.3 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Cloudy Moon phase, F.Q. 11:25 pm
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 370
Average hourly velocity, 15.4 Extreme velocity, 30
Maximum velocity, 28 Direction, SW
Time began, 6:12 pm
Reduced barometer, 29.97 7 a. m. 29.63 7 p. m.
River gage, 2.4 Feet
Relative humidity, 84 7 a. m. 92 7 p. m.

OBSERVATIONS AT ~~12 NOON~~ 12:38 pm
(Local Mean Time.)
Dry temperature, 26.8 Wet temperature, 24.0
Dew-point, 18 R. humidity, 67 V. pressure, .023
Clouds: Amount, 10; Kind, Nb; Direction, S
Velocity of clouds (miles per hour)

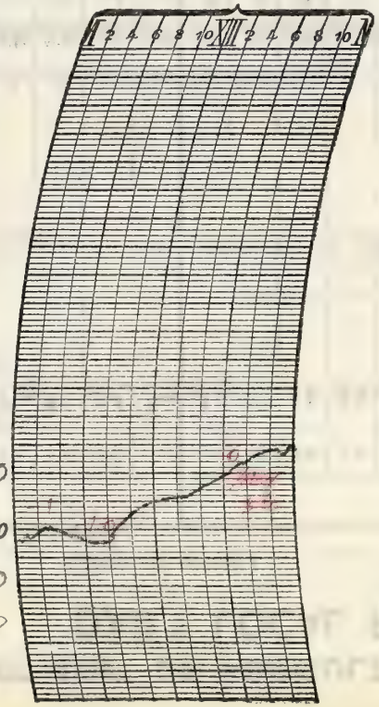
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by C. O. Schick
Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 30 1919, 191

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	36	36	36	35	34	34	34	34	34	35	34	36	37	36	36	34	34	34	32	31	30	30	28
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Cloudy												Pt. Cloudy											?
Sunrise: Time, Character,	7:06 Cloudy																							
Moonrise:	11:26a																							
Sunset: Time, Character,																					4:22 Cloudy			
Moonset:																								
Sunshine (in tenths of hours)								0	0	0	0	0.1	0.6	0.7	0.6	0	0							
Wind direction	NW	W	W	NW	NW	W	W	NW	NW	NW	NW	NW	NW	W	SW	SW	SW	SW	S	S	SE	SE	SE	E
Wind movement	19	18	17	20	16	13	12	13	11	12	12	10	7	9	9	7	7	6	4	5	6	6	5	5
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	28	32	

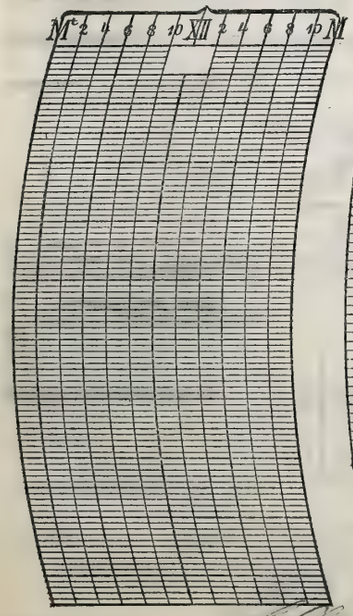
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, ~~Full moon~~
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 22
Prevailing wind direction, NW. Total wind 249
Average hourly velocity, 10.4 Extreme velocity, 26
Maximum velocity, 25 Direction, NW
Time began, 12:13a
Reduced barometer, 29.85 a. m. 29.96, p. m.
River gage, 2.5 feet.
Relative humidity, 66 a. m. 58 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

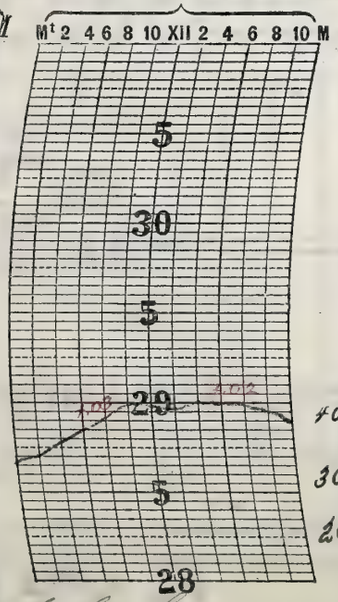
OBSERVATIONS AT ~~12 NOON~~. 12:38 pm
(Local Mean Time.)

Dry temperature, 34.7 Wet temperature, 29.0
Dew-point, 19 R. humidity, 48 V. pressure, .098
Clouds: Amount, 8; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

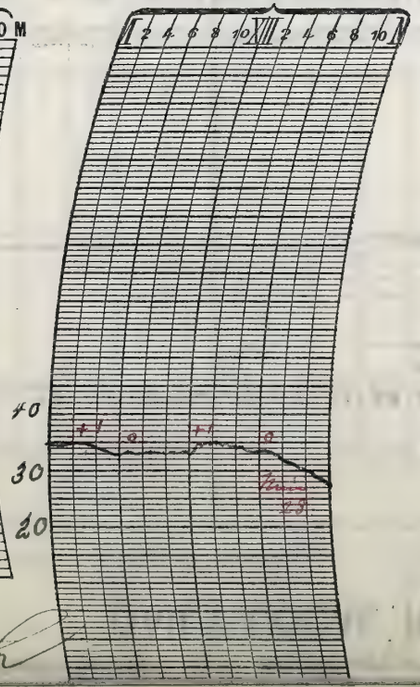
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by E. E. Schick
Verified by O. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) _____, (Date) DEC 31 1910, 191

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	26	26	25	25	26	29	29	32	35	39	41
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?	Clear										
Sunshine (in tenths of hours)								.90 0	0	0.8	1.0	1.0
Wind direction	E	E	E	E	E	E	SE	SE	S	SW	SW	W
Wind movement	7	7	5	4	4	3	4	3	5	8	7	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	43	44	42	39	35	35	32	31	31	31	31
Nature of precipitation and time of beginning and ending											S W. B. 11.00	—
Amounts of precipitation											—	—
Cloudiness and other conditions	Clear				Clear			pt. cloudy	Cloudy			
Sunshine (in tenths of hours)	1.0	1.0	0.1 0.9	1.0 0	0.39 0							
Wind direction	W	NW	W	NW	NW	NW	NW	NW	NW	NW	NW	W
Wind movement	6	5	5	6	6	6	8	11	13	14	14	14

State of weather.

Sunrise: Time, 7.06 Character, Clear

Moonrise: 12.10 P.

Sunset: Time, 4.02 Character, Clear

Moonset: 1.03 A.

Maximum velocities (exceeding 22 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	25	34	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Clear Moon phase, _____

Average daily cloudiness (0-10), FEW

Actual sunshine, hours, 9.3 Possible sunshine, hours, 9.3

Per cent of possible sunshine, 100

Prevailing wind direction, NW Total wind 172

Average hourly velocity, 7.2 Extreme velocity, 26

Maximum velocity, 23 Direction, NW

Time began, 11:52 P.M.

Reduced barometer, 29.65 7 a. m. 29.62 7 p. m.

River gage, 2.4 ft

Relative humidity, 61 7 a. m. 73 7 p. m.

OBSERVATIONS AT ~~12 NOON~~. 12.38 P.
(Local Mean Time.)

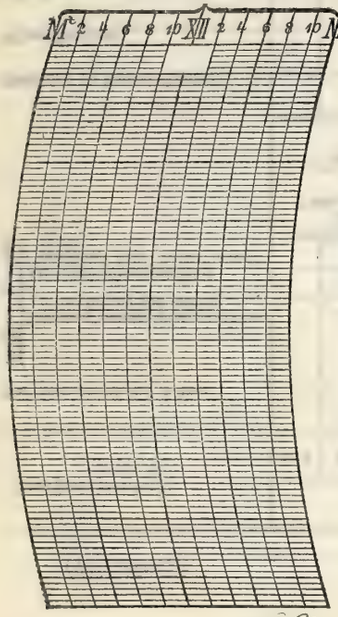
Dry temperature, 42.0 Wet temperature, 38.0

Dew-point, 33 R. humidity, 70 V. pressure, .187

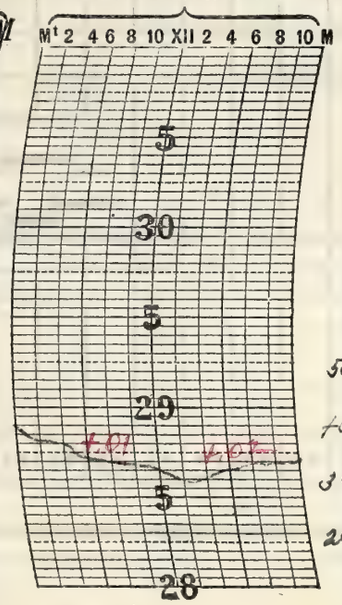
Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

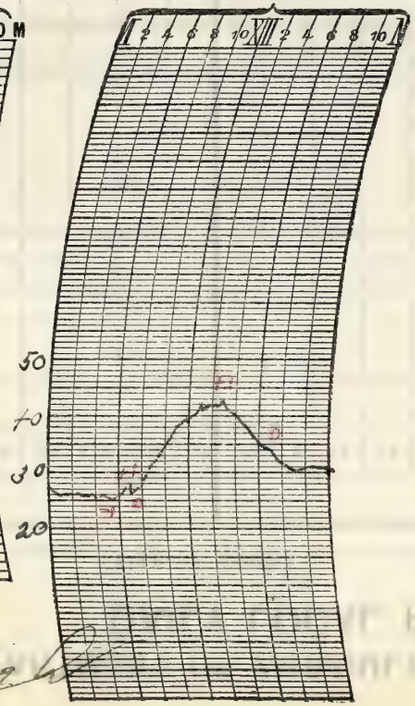
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear, pleasant, balmy weather during daylight hours, but increasing cloudiness and falling temperature in the early part of the night, with snow flurries beginning at 11 p.m.

Prepared by E. A. Schick

Verified by C. M. Donoghue

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., *191*

Time (local standard). ..... mer. normal time.	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
State of weather. Amounts of precipitation																								
State of weather. Cloudiness and other conditions																								
	Sunrise: Time, Character, Moonrise:																				Sunset: Time, Character, Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding ..... miles) direction and time																								

Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.												
From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending ..... p. m., ... inches.

Snow, sleet, and hail on ground ..... p. m., ... inches.

Total snowfall, midnight to midnight, ... inches.

Precipitation to ..... a. m., ... ins.; to ..... p. m., ... ins.

Total precipitation, midnight to midnight, ... inches.

Character of day, ... Moon phase, ...

Average daily cloudiness (0–10), ...

Actual sunshine, hours, ... Possible sunshine, hours, ...

Per cent of possible sunshine, ...

Prevailing wind direction, ... Total wind .....

Average hourly velocity, ... Extreme velocity, ...

Maximum velocity, ... Direction, ...

Time began, ...

Reduced barometer, ... a. m. ....., p. m.

River gage, ...

Relative humidity, ... a. m. ..... p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

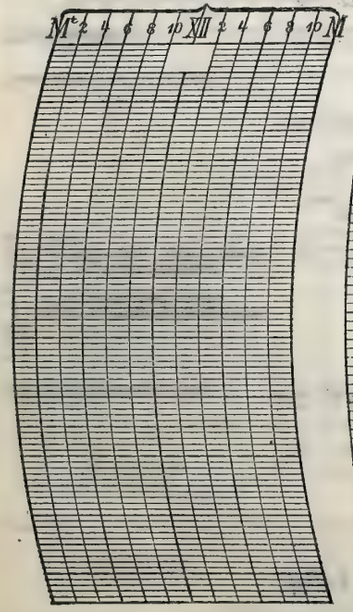
Dry temperature, ... Wet temperature, ...

Dew-point, ... R. humidity, ... V. pressure, ...

Clouds: Amount, ...; Kind, ...; Direction, ...

Velocity of clouds (miles per hour) .....

THERMOGRAPH.



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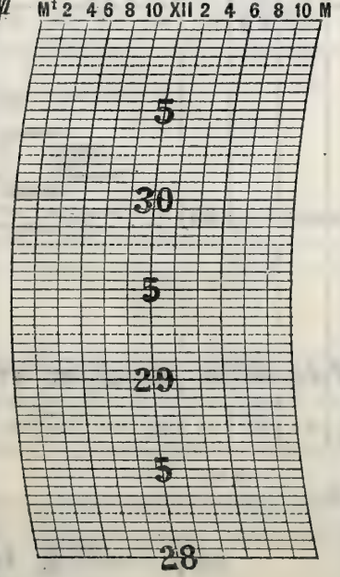

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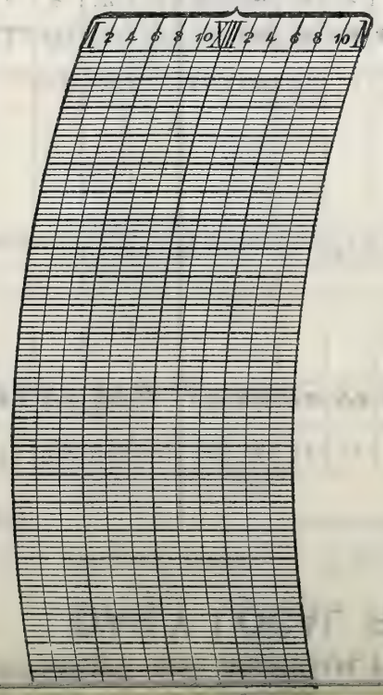


NOTES.

Prepared by .....

Verified by .....

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, *191*

Time (local standard). ____ mer. normal time.	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character, Moonrise:																				Sunset: Time, Character, Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding ____ miles) direction and time																								

	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending _____ p. m., _____ inches.

Snow, sleet, and hail on ground _____ p. m., _____ inches.

Total snowfall, midnight to midnight, _____ inches.

Precipitation to _____ a. m., _____ ins.; to _____ p. m., _____ ins.

Total precipitation, midnight to midnight, _____ inches.

Character of day, _____ Moon phase, _____

Average daily cloudiness (0-10), _____

Actual sunshine, hours, _____ Possible sunshine, hours, _____

Per cent of possible sunshine, _____

Prevailing wind direction, _____ Total wind _____

Average hourly velocity, _____ Extreme velocity, _____

Maximum velocity, _____ Direction, _____

Time began, _____

Reduced barometer, _____ a. m. _____, p. m.

River gage, _____

Relative humidity, _____ a. m. _____ p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

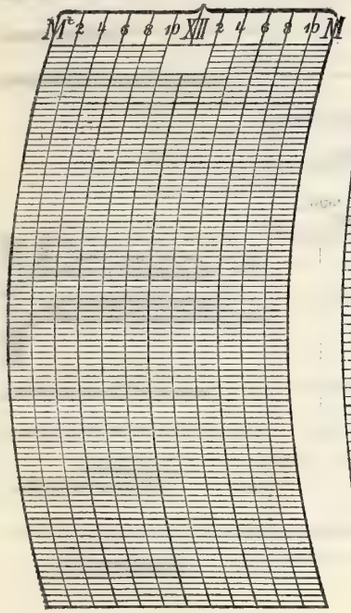
Dry temperature, _____ Wet temperature, _____

Dew-point, _____ R. humidity, _____ V. pressure, _____

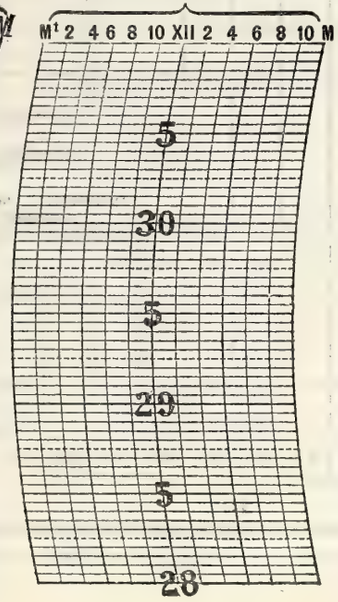
Clouds: Amount, _____; Kind, _____; Direction, _____

Velocity of clouds (miles per hour) _____

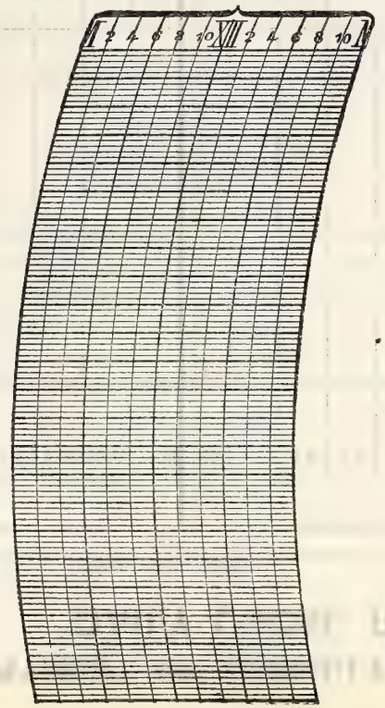
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, *191*

Time (local standard). ____ mer. normal time.	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character, Moonrise:																				Sunset: Time, Character, Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding ____ miles) direction and time																								

	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending _____ p. m., _____ inches.

Snow, sleet, and hail on ground _____ p. m., _____ inches.

Total snowfall, midnight to midnight, _____ inches.

Precipitation to _____ a. m., _____ ins.; to _____ p. m., _____ ins.

Total precipitation, midnight to midnight, _____ inches.

Character of day, _____ Moon phase, _____

Average daily cloudiness (0-10), _____

Actual sunshine, hours, _____ Possible sunshine, hours, _____

Per cent of possible sunshine, _____

Prevailing wind direction, _____ Total wind _____

Average hourly velocity, _____ Extreme velocity, _____

Maximum velocity, _____ Direction, _____

Time began, _____ _____

Reduced barometer, _____ a. m. _____, p. m.

River gage, _____

Relative humidity, _____ a. m. _____ p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

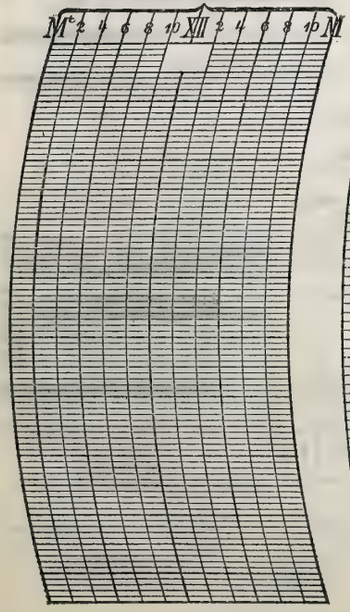
Dry temperature, _____ Wet temperature, _____

Dew-point, _____ R. humidity, _____ V. pressure, _____

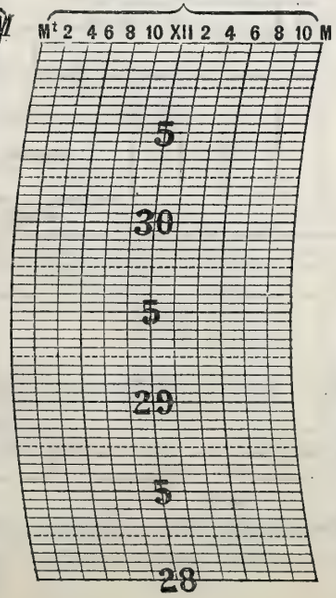
Clouds: Amount, _____; Kind, _____; Direction, _____

Velocity of clouds (miles per hour) _____

THERMOGRAPH.



BAROGRAPH.



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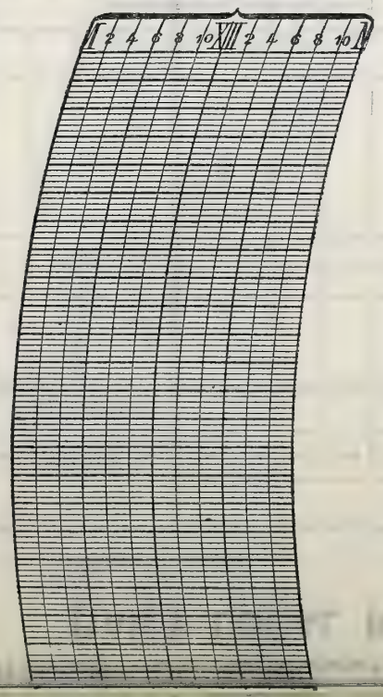

NOTES.

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Verified by _____

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., *191*

Time (local standard). ..... mer. normal time.	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character, ... Moonrise:																				Sunset: Time, Character, ... Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding ..... miles) direction and time																								

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending ..... p. m., ... inches.

Snow, sleet, and hail on ground ..... p. m., ... inches.

Total snowfall, midnight to midnight, ... inches.

Precipitation to ..... a. m., ... ins.; to ..... p. m., ... ins.

Total precipitation, midnight to midnight, ... inches.

Character of day, ... Moon phase, ...

Average daily cloudiness (0–10), ...

Actual sunshine, hours, ... Possible sunshine, hours, ...

Per cent of possible sunshine, ...

Prevailing wind direction, ... Total wind .....

Average hourly velocity, ... Extreme velocity, ...

Maximum velocity, ... Direction, ...

Time began, ...

Reduced barometer, ... a. m. ....., p. m.

River gage, ...

Relative humidity, ... a. m. ..... p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

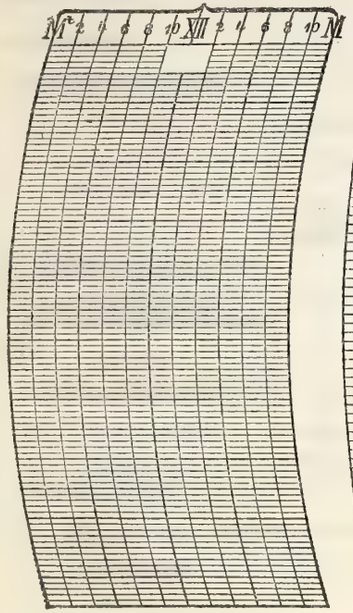
Dry temperature, ... Wet temperature, ...

Dew-point, ... R. humidity, ... V. pressure, ...

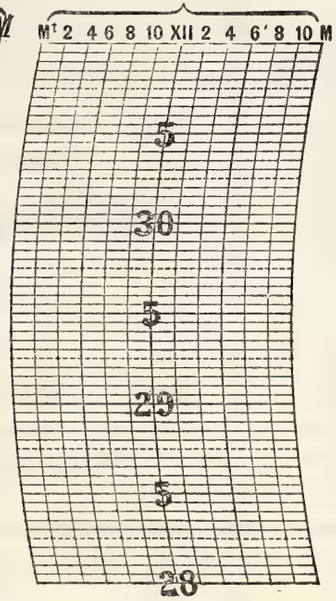
Clouds: Amount, ...; Kind, ...; Direction, ...

Velocity of clouds (miles per hour) .....

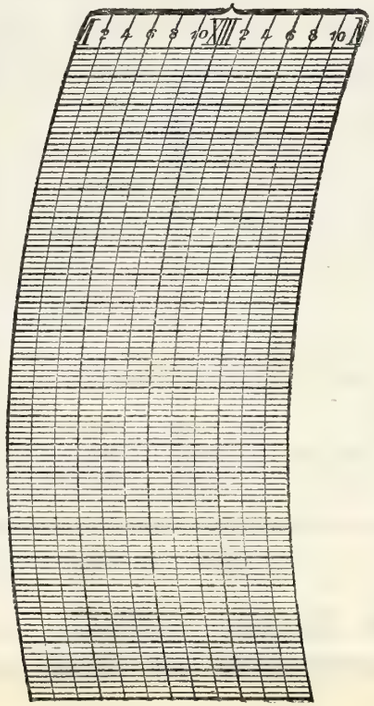
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by .....

Verified by .....

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Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, *191*

Time (local standard). ____ mer. normal time.	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character, ____ ____ Moonrise: ____ ____																				Sunset: Time, Character, ____ ____ Moonset: ____ ____			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding ____ miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending ____ p. m., ____ inches.

Snow, sleet, and hail on ground ____ p. m., ____ inches.

Total snowfall, midnight to midnight, ____ inches.

Precipitation to ____ a. m., ____ ins.; to ____ p. m., ____ ins.

Total precipitation, midnight to midnight, ____ inches.

Character of day, ____ Moon phase, ____

Average daily cloudiness (0–10), ____

Actual sunshine, hours, ____ Possible sunshine, hours, ____

Per cent of possible sunshine, ____

Prevailing wind direction, ____ Total wind ____

Average hourly velocity, ____ Extreme velocity, ____

Maximum velocity, ____ Direction, ____

Time began, ____ ____

Reduced barometer, ____ a. m. ____, p. m.

River gage, ____

Relative humidity, ____ a. m. ____ p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

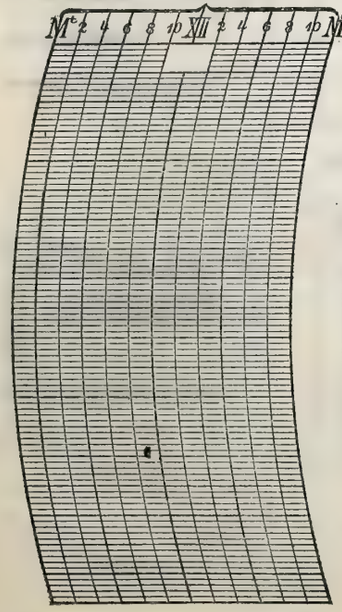
Dry temperature, ____ Wet temperature, ____

Dew-point, ____ R. humidity, ____ V. pressure, ____

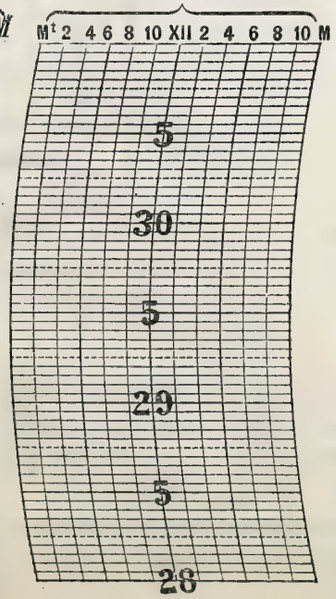
Clouds: Amount, ____; Kind, ____; Direction, ____

Velocity of clouds (miles per hour) ____

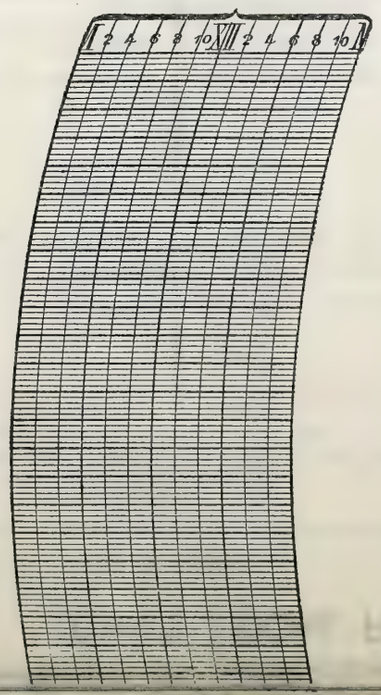
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by _____

Verified by _____

INDEX, DAILY LOCAL RECORD, 1919

SUBJECTS.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.
Auroras	0	0	0	0	0	0	0	0	0	0	0	0
Clouds, special formation	0	0	0	0	0	0	0	0	0	0	0	0
Cold waves	2	26-28	0	0	0	0	0	0	0	0	13, 30	10, 13
Dew, heavy deposits of	0	0	0	29	15	30	0	14, 19	0	2	0	0
Droughts	0	0	0	0	0	0	0	0	0	0	0	0
Earthquakes	0	0	0	0	0	0	0	0	0	0	0	0
Fires, forest	0	0	0	0	0	0	0	0	0	0	0	0
Fog, dense	0	21, 22	0	0	0	0	0	0	0	15	27	23
Floods, other than in rivers	0	0	0	0	0	0	0	0	0	0	0	0
Frosts, light	0	0	0	0	12, 13	0	0	0	0	8, 22	—	—
Heavy	0	0	0	18	0	0	0	0	0	12, 13, 17, 18, 19, 20	—	—
Killing	0	0	0	24, 25, 26, 27	0	0	0	0	0	29	—	—
First killing after July 15	0	0	0	0	0	0	0	0	0	29	0	—
Last killing before July 15	0	0	0	27	—	—	0	0	0	—	0	—
Last heavy before July 15	0	0	0	18	—	—	0	0	0	—	0	—
First heavy after July 15	0	0	0	0	0	0	0	0	0	12	0	—
Hail. *See* Precipitation	0	28	0	17	0	0	0	5	0	0	0	—
Ice	0	0	0	0	0	0	0	0	0	0	0	—
Lightning, damage by	0	0	0	9	0	0	0	5	0	0	0	—
Deaths by	0	0	0	0	0	0	0	5	0	0	0	—
Meteors	0	0	0	0	0	0	0	0	0	0	0	—
Navigation, opening	0	0	0	0	0	0	0	0	—	0	0	—
Closing	0	0	0	0	0	0	0	0	—	0	0	—
Impeded	0	0	0	0	0	0	0	0	—	0	0	—
Observations, not taken	0	0	0	0	0	0	0	0	0	0	0	—
Taken late	0	0	0	0	0	0	0	0	0	0	0	—
Special	8-23	13, 22, 28	17	10, 16, 23	19, 20	3	0	13	0	30	4, 3, 4, 6, 9, 10, 28, 29, 29	3, 9, 12, 15
Optical phenomena, haze	0	0	0	0	30, 31	2, 3, 13	21, 25, 26, 29, 5, 9, 11, 16, 18, 19,	13, 29, 2, 3, 8, 9, 10, 11, 12	0	3	0	19
Coronæ	0	0	0	0	0	0	0	0	0	0	0	0
Halo, lunar	13	0	0	0	0	0	0	0	0	8	0	5
Solar	25	0	0	8	0	0	0	29	0	10, 18, 19, 20, 21, 29	17, 22	0
Parhelia	0	0	0	0	0	0	0	0	0	0	0	0
Parselenæ	0	0	0	0	0	0	0	0	0	0	0	0
Rainbows	0	0	0	0	14	0	0	0	0	0	0	0
Sunrise, peculiar	0	0	0	0	0	0	0	0	0	0	0	0
Sunset, peculiar	0	0	0	0	0	0	0	0	0	0	0	0
Zodiacal light	0	0	0	0	0	0	0	0	0	0	0	0
Precipitation, rain, heavy	0	0	15	30	4, 16	7	13-31	16	4-1	0	0	0
Excessive	0	0	0	0	0	7	13-31	0	0	0	0	0
Sleet	0	0	0	0	0	0	0	0	0	0	0	0

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INDEX, DAILY LOCAL RECORD, 191

SUBJECTS.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.
Precipitation—Continued.												
Snow, light	1,2,3,6,7,9,11	7,8,9,10,11,15,17,20,22,25,28	1,5,6,8,9,14,31	0	0	0	0	0	0	0	27,28,29,30	3,6,7,8,9,13,16,17,18,23,23,24,27,28,29,31
Heavy — 5 inches or more	0	0	0	0	0	0	0	0	0	0	0	0
Hail	0	28	0	17	0	0	0	5	0	0	0	0
Wet periods	0	0	13-18	14-17	19-23	0	12-15	16-18	0	0	0	0
Rivers, rapid rise	0	0	14-18	25	4, 5	0	0	0	0	0	0	0
Flood stages	0	0	15-22	0	5,6,7	0	0	0	0	0	0	0
Low-water stages, unusual	0	0	0	0	0	0	0	0	0	0	0	0
High water, periods of	0	0	11-24	17-21	3-11	0	0	0	0	0	0	0
Frozen	0	0	0	0	0	0	0	0	0	0	0	0
Floating débris	0	0	0	0	0	0	0	0	0	0	0	0
Gorges	0	0	0	0	0	0	0	0	0	0	0	0
Running ice	0	0	0	0	0	0	0	0	0	0	0	0
Warnings. *See* Warnings	0	25-28	0	17,20,24,25,26	5,7,9,10	0	0	0	0	0	12,25,29.	1,2,8,9,12
Smoke, light	0	0	0	0	0	0	0	0	0	13	0	0
Dense	0	0	0	0	0	0	0	0	0	0	0	0
Temperature, unusually high	0	0	0	0	0	0	1-5, 23-28	4	6-9	2	29	12
Unusually low	0	0	0	0	0	0	0	0	0	0	0	10,11
Sudden rise	5, 13	3-12-27	2,15,16	2,6, 19,	14	0	0	0	0	0	0	11
Sudden fall	2, 3, 14	4-26	15,17,18,27	11, 24	5, 8, 20	6, 27	13, 14	18, 30	20	0	0	12
Periods of high	17-23, 25-27	12, 14	15-17, 24-26	0	29-31	1-4, 11-20	1-5, 23-28	4	6-9	0	0	0
Periods of low	3-4	0	1-2, 5-11, 27-28	1-2, 24, 25.	1-2, 8, 13,	27-29	0	0	0	0	0	4-11, 14-21.
Thunderstorms	22, 23	28	17	9, 15, 20, 23	4, 14, 16, 22	2, 7, 11, 12, 13, 16, 19, 20, 25	12, 13, 14, 15, 19, 31.	4, 5, 13, 16, 17, 24, 29, 30	10, 21, 29	10, 26, 31	0	0
Tornadoes	0	0	0	0	0	0	0	0	0	0	0	0
Warnings, advisory	0	25-28	0	17,20,24,25,26	5,7,9,10	0	0	0	0	0	0	0
Cold wave	0	25-28	0	0	0	0	0	0	0	0	12,25,29	1,2,8,9,12
Inland storm	0	0	0	0	0	0	0	0	0	0	0	0
Emergency	0	0	0	0	0	0	0	0	0	0	0	0
Frost	0	0	0	17,20,24,25,26	5,7,9,10	0	0	0	0	12,16,17,18	0	0
Hurricane	0	0	0	0	0	0	0	0	0	0	0	0
Rapid rise in river	0	0	0	0	0	0	0	0	0	0	0	0
Flood	0	0	0	0	0	0	0	0	0	0	0	0
Winds, 25 to 39 miles per hour	1,6,7,8,9,10,16	23-25-26	26,27, 14,8,13,14,16,	23,24,25 9,10,11,15,16,17	29 1,2,3,4,9,14,17,	2,7,11,12,	7,14,27,	5,25,26,30	11,19,20,21	2,25,28,31	4,5,10,11,12, 18,22,26	7,8,13,12,13,15, 26,29,30.
40 miles per hour, or over	0	22-28	17,	0	0	0	0	0	0	9	29,30	0
Hurricanes	0	0	0	0	0	0	0	0	0	0	29	0

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